**The Spring 2012**

**Computer Science Department - Alumni Survey**

Prepared by Office of Institutional Research – May 2012

The purpose of this survey was to help in the accreditation of the Department of Computer (DCS), San Jose State University. Alumni of the program provided their opinions on DCS about the education they received from it and how it has helped them since they graduated. The feedback will be used to review and assess DCS and to develop and improve department objectives.

This online survey was developed and conducted by the Department Chair and the faculty of DCS, in consultation with the Office of Institutional Research. In the May of 2012, surveys were sent to 579 individuals, and a total of 87 responses were received. This is a 15% response rate.

The results of the survey are summarized below. If you have any questions or need additional information, please contact Dr. John Briggs, the Office of Institutional Research at (408) 924-1520.

**Highlights/Selected findings:**

Graduate Programs:

* 20% (17 out of 85) said they are currently enrolled in a graduate school (Q2).
* 89% (39 out of 44) rated the preparation the DCS provided them to succeed in graduate studies as well or very well (Q2d).

employee on a career path:

* 91% (78 out of 86) said they are employed by a organization (Q3).
* 35% (28 out of 79) said they have received at least one promotion (Q3c) and 55% expect a promotion within the next year (Q3d).
* 46% spend their time at work making technological decision, 30% of their time in other tasks, 13% of their time supervising others, and 11% making business decisions (Q3g1 thru Q3g4)

self-employment:

* 12% (10 out of 85) are self-employed (Q4).
* 75% (6 out of 8) rated the preparation the DCS provided them to succeed in graduate studies as well or very well (Q4e).

OTHER activities:

* 53% (8 out of 15) are not on a career path or self-employed because they are enrolled in school (Q5).

Professional Involvement:

* 57% (46 out of 81) have attended at least one professional conference since graduation (Q6b).

How well did CSD provide you with essential abilities:

* 85% (73 out of 86) rated the preparation the DCS provided them to identify and solve problems as well or very well (Q8b).
* 84% (71 out of 85) rated the preparation the DCS provided them to function effectively in a team as well or very well (Q8d).
* 77% (66 out of 86) rated the preparation the DCS provided them to communicate effectively as well or very well (Q8f).
* 86% (76 out of 86) rated the preparation the DCS provided them with current computing skills as well or very well (Q8i).

**Frequency Distribution**

If you are currently enrolled in a graduate program:

**2. Are you going to graduate School? (Respondents that listed a graduate school)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 17 | 19.5 | 20.0 | 20.0 |
| No | 68 | 78.2 | 80.0 | 100.0 |
| Total | 85 | 97.7 | 100.0 |  |
| Missing | System | 2 | 2.3 |  |  |
| Total | | 87 | 100.0 |  |  |

**2d. How well did the Computer Science Department prepare you with the skills and knowledge needed to succeed in graduate studies?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 13 | 14.9 | 29.5 | 29.5 |
| Well | 26 | 29.9 | 59.1 | 88.6 |
| Not so well | 5 | 5.7 | 11.4 | 100.0 |
| Total | 44 | 50.6 | 100.0 |  |
| Missing | System | 43 | 49.4 |  |  |
|  | | 87 | 100.0 |  |  |

If you are currently an employee on a career path

**3. Are you employed? (Respondents that listed an employer)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 78 | 89.7 | 90.7 | 90.7 |
| No | 8 | 9.2 | 9.3 | 100.0 |
| Total | 86 | 98.9 | 100.0 |  |
| Missing | System | 1 | 1.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**3b. How many years have you worked for this organization?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | < 1yr | 30 | 34.5 | 37.5 | 37.5 |
| 1 yr | 15 | 17.2 | 18.8 | 56.3 |
| 2 yrs | 9 | 10.3 | 11.3 | 67.5 |
| 3 yrs | 5 | 5.7 | 6.3 | 73.8 |
| 4 yrs | 6 | 6.9 | 7.5 | 81.3 |
| 5 or more yrs | 15 | 17.2 | 18.8 | 100.0 |
| Total | 80 | 92.0 | 100.0 |  |
| Missing | System | 7 | 8.0 |  |  |
| Total | | 87 | 100.0 |  |  |

**3c. How many promotions have you received since joining this organization?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | 0 | 51 | 58.6 | 64.6 | 64.6 |
| 1 | 9 | 10.3 | 11.4 | 75.9 |
| 2 | 12 | 13.8 | 15.2 | 91.1 |
| 3 | 6 | 6.9 | 7.6 | 98.7 |
| 5 or more | 1 | 1.1 | 1.3 | 100.0 |
| Total | 79 | 90.8 | 100.0 |  |
| Missing | System | 8 | 9.2 |  |  |
| Total | | 87 | 100.0 |  |  |

**3d. Do you anticipate a promotion within the next year?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 42 | 48.3 | 54.5 | 54.5 |
| No | 35 | 40.2 | 45.5 | 100.0 |
| Total | 77 | 88.5 | 100.0 |  |
| Missing | System | 10 | 11.5 |  |  |
| Total | | 87 | 100.0 |  |  |

**3g1. Making business decisions (recode)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | .00 | 29 | 33.3 | 39.7 | 39.7 |
| .01 | 3 | 3.4 | 4.1 | 43.8 |
| .02 | 1 | 1.1 | 1.4 | 45.2 |
| .05 | 7 | 8.0 | 9.6 | 54.8 |
| .10 | 12 | 13.8 | 16.4 | 71.2 |
| .15 | 2 | 2.3 | 2.7 | 74.0 |
| .20 | 4 | 4.6 | 5.5 | 79.5 |
| .25 | 4 | 4.6 | 5.5 | 84.9 |
| .28 | 1 | 1.1 | 1.4 | 86.3 |
| .30 | 2 | 2.3 | 2.7 | 89.0 |
| .33 | 1 | 1.1 | 1.4 | 90.4 |
| .35 | 1 | 1.1 | 1.4 | 91.8 |
| .40 | 1 | 1.1 | 1.4 | 93.2 |
| .45 | 1 | 1.1 | 1.4 | 94.5 |
| .50 | 3 | 3.4 | 4.1 | 98.6 |
| .60 | 1 | 1.1 | 1.4 | 100.0 |
| Total | 73 | 83.9 | 100.0 |  |
| Missing | System | 14 | 16.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**3g2. Making technological decisions (recode)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | .00 | 3 | 3.4 | 4.1 | 4.1 |
| .01 | 1 | 1.1 | 1.4 | 5.5 |
| .05 | 3 | 3.4 | 4.1 | 9.6 |
| .10 | 7 | 8.0 | 9.6 | 19.2 |
| .15 | 3 | 3.4 | 4.1 | 23.3 |
| .20 | 4 | 4.6 | 5.5 | 28.8 |
| .25 | 5 | 5.7 | 6.8 | 35.6 |
| .30 | 9 | 10.3 | 12.3 | 47.9 |
| .33 | 2 | 2.3 | 2.7 | 50.7 |
| .36 | 1 | 1.1 | 1.4 | 52.1 |
| .40 | 2 | 2.3 | 2.7 | 54.8 |
| .45 | 1 | 1.1 | 1.4 | 56.2 |
| .50 | 7 | 8.0 | 9.6 | 65.8 |
| .60 | 1 | 1.1 | 1.4 | 67.1 |
| .70 | 2 | 2.3 | 2.7 | 69.9 |
| .75 | 1 | 1.1 | 1.4 | 71.2 |
| .80 | 7 | 8.0 | 9.6 | 80.8 |
| .85 | 1 | 1.1 | 1.4 | 82.2 |
| .90 | 5 | 5.7 | 6.8 | 89.0 |
| .95 | 2 | 2.3 | 2.7 | 91.8 |
| .99 | 1 | 1.1 | 1.4 | 93.2 |
| 1.00 | 5 | 5.7 | 6.8 | 100.0 |
| Total | 73 | 83.9 | 100.0 |  |
| Missing | System | 14 | 16.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**3g3. Supervising others (recode)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | .00 | 32 | 36.8 | 43.8 | 43.8 |
| .01 | 1 | 1.1 | 1.4 | 45.2 |
| .05 | 8 | 9.2 | 11.0 | 56.2 |
| .10 | 8 | 9.2 | 11.0 | 67.1 |
| .15 | 1 | 1.1 | 1.4 | 68.5 |
| .20 | 4 | 4.6 | 5.5 | 74.0 |
| .25 | 5 | 5.7 | 6.8 | 80.8 |
| .30 | 3 | 3.4 | 4.1 | 84.9 |
| .34 | 2 | 2.3 | 2.7 | 87.7 |
| .35 | 1 | 1.1 | 1.4 | 89.0 |
| .36 | 1 | 1.1 | 1.4 | 90.4 |
| .40 | 2 | 2.3 | 2.7 | 93.2 |
| .50 | 2 | 2.3 | 2.7 | 95.9 |
| .60 | 3 | 3.4 | 4.1 | 100.0 |
| Total | 73 | 83.9 | 100.0 |  |
| Missing | System | 14 | 16.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**3g4. Other (recode)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | .00 | 31 | 35.6 | 42.5 | 42.5 |
| .05 | 4 | 4.6 | 5.5 | 47.9 |
| .10 | 5 | 5.7 | 6.8 | 54.8 |
| .20 | 1 | 1.1 | 1.4 | 56.2 |
| .25 | 2 | 2.3 | 2.7 | 58.9 |
| .30 | 3 | 3.4 | 4.1 | 63.0 |
| .33 | 1 | 1.1 | 1.4 | 64.4 |
| .35 | 1 | 1.1 | 1.4 | 65.8 |
| .40 | 1 | 1.1 | 1.4 | 67.1 |
| .45 | 1 | 1.1 | 1.4 | 68.5 |
| .50 | 2 | 2.3 | 2.7 | 71.2 |
| .59 | 1 | 1.1 | 1.4 | 72.6 |
| .60 | 1 | 1.1 | 1.4 | 74.0 |
| .70 | 3 | 3.4 | 4.1 | 78.1 |
| .75 | 2 | 2.3 | 2.7 | 80.8 |
| .78 | 1 | 1.1 | 1.4 | 82.2 |
| .80 | 4 | 4.6 | 5.5 | 87.7 |
| .85 | 1 | 1.1 | 1.4 | 89.0 |
| .90 | 3 | 3.4 | 4.1 | 93.2 |
| .94 | 1 | 1.1 | 1.4 | 94.5 |
| .98 | 1 | 1.1 | 1.4 | 95.9 |
| 1.00 | 3 | 3.4 | 4.1 | 100.0 |
| Total | 73 | 83.9 | 100.0 |  |
| Missing | System | 14 | 16.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**3h. Are you satisfied with the level of responsibility you have?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 61 | 70.1 | 81.3 | 81.3 |
| No | 14 | 16.1 | 18.7 | 100.0 |
| Total | 75 | 86.2 | 100.0 |  |
| Missing | System | 12 | 13.8 |  |  |
| Total | | 87 | 100.0 |  |  |

**3i.How well did the Computer Science Department prepare you with the skills and knowledge needed to**

**succeed to advance your career?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 21 | 24.1 | 26.6 | 26.6 |
| Well | 47 | 54.0 | 59.5 | 86.1 |
| Not so well | 11 | 12.6 | 13.9 | 100.0 |
| Total | 79 | 90.8 | 100.0 |  |
| Missing | System | 8 | 9.2 |  |  |
| Total | | 87 | 100.0 |  |  |

If you are currently self-employed

**4. Are you self-employed? (Respondents that list how long they were self-employed)**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 10 | 11.5 | 11.8 | 11.8 |
| No | 75 | 86.2 | 88.2 | 100.0 |
| Total | 85 | 97.7 | 100.0 |  |
| Missing | System | 2 | 2.3 |  |  |
| Total | | 87 | 100.0 |  |  |

**4a. How long have you been self-employed?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | 1 yr | 4 | 4.6 | 50.0 | 50.0 |
| 2 yrs | 1 | 1.1 | 12.5 | 62.5 |
| 3 yrs | 3 | 3.4 | 37.5 | 100.0 |
| Total | 8 | 9.2 | 100.0 |  |
| Missing | System | 79 | 90.8 |  |  |
| Total | | 87 | 100.0 |  |  |

**4c. Number of employees besides yourself:**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | 0 | 3 | 3.4 | 37.5 | 37.5 |
| 1 | 2 | 2.3 | 25.0 | 62.5 |
| 3 | 2 | 2.3 | 25.0 | 87.5 |
| 5 or more | 1 | 1.1 | 12.5 | 100.0 |
| Total | 8 | 9.2 | 100.0 |  |
| Missing | System | 79 | 90.8 |  |  |
| Total | | 87 | 100.0 |  |  |

**4d. Is your business profitable:**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 4 | 4.6 | 44.4 | 44.4 |
| No | 1 | 1.1 | 11.1 | 55.6 |
| N/A | 4 | 4.6 | 44.4 | 100.0 |
| Total | 9 | 10.3 | 100.0 |  |
| Missing | System | 78 | 89.7 |  |  |
| Total | | 87 | 100.0 |  |  |

**4e. How well did the Computer Science Department prepare you with the skills and knowledge needed to**

**succeed in your business?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 4 | 4.6 | 50.0 | 50.0 |
| Well | 2 | 2.3 | 25.0 | 75.0 |
| Not so well | 2 | 2.3 | 25.0 | 100.0 |
| Total | 8 | 9.2 | 100.0 |  |
| Missing | System | 79 | 90.8 |  |  |
| Total | | 87 | 100.0 |  |  |

Other activities:

**5. If you are currently not on a career path or self-employed, which reason best describes why:**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Enrolled in school | 8 | 9.2 | 53.3 | 53.3 |
| Tending to family business | 1 | 1.1 | 6.7 | 60.0 |
| Trying to start a business | 1 | 1.1 | 6.7 | 66.7 |
| Unable to find work due to lack of opportunities | 2 | 2.3 | 13.3 | 80.0 |
| Unable to find work due to lack of skills | 2 | 2.3 | 13.3 | 93.3 |
| Not interested in working at this time | 1 | 1.1 | 6.7 | 100.0 |
| Total | 15 | 17.2 | 100.0 |  |
| Missing | System | 72 | 82.8 |  |  |
| Total | | 87 | 100.0 |  |  |

Professonal Involvelment:

**6a. How many professional papers have you published since graduation?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | 0 | 60 | 69.0 | 72.3 | 72.3 |
| 1 | 14 | 16.1 | 16.9 | 89.2 |
| 2 | 5 | 5.7 | 6.0 | 95.2 |
| 4 | 1 | 1.1 | 1.2 | 96.4 |
| 5 or more | 3 | 3.4 | 3.6 | 100.0 |
| Total | 83 | 95.4 | 100.0 |  |
| Missing | System | 4 | 4.6 |  |  |
| Total | | 87 | 100.0 |  |  |

**6b. How many professional conferences have you attended since graduation?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | 0 | 35 | 40.2 | 43.2 | 43.2 |
| 1 | 14 | 16.1 | 17.3 | 60.5 |
| 2 | 9 | 10.3 | 11.1 | 71.6 |
| 3 | 7 | 8.0 | 8.6 | 80.2 |
| 4 | 1 | 1.1 | 1.2 | 81.5 |
| 5 or more | 15 | 17.2 | 18.5 | 100.0 |
| Total | 81 | 93.1 | 100.0 |  |
| Missing | System | 6 | 6.9 |  |  |
| Total | | 87 | 100.0 |  |  |

**6c. How many professional presentations, panel discussions, or lectures have you given since graduation?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | 0 | 51 | 58.6 | 63.0 | 63.0 |
| 1 | 8 | 9.2 | 9.9 | 72.8 |
| 2 | 6 | 6.9 | 7.4 | 80.2 |
| 3 | 6 | 6.9 | 7.4 | 87.7 |
| 4 | 1 | 1.1 | 1.2 | 88.9 |
| 5 or more | 9 | 10.3 | 11.1 | 100.0 |
| Total | 81 | 93.1 | 100.0 |  |
| Missing | System | 6 | 6.9 |  |  |
| Total | | 87 | 100.0 |  |  |

**6h. Would you be willing to become more involved with SJSU?**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Yes | 55 | 63.2 | 72.4 | 72.4 |
| No | 21 | 24.1 | 27.6 | 100.0 |
| Total | 76 | 87.4 | 100.0 |  |
| Missing | System | 11 | 12.6 |  |  |
| Total | | 87 | 100.0 |  |  |

How well did the CSD provide you with essential abilities:

**8a. Ability to apply knowledge of computing and mathematics to solve problems**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 33 | 37.9 | 38.8 | 38.8 |
| Well | 40 | 46.0 | 47.1 | 85.9 |
| Not Well Enough | 12 | 13.8 | 14.1 | 100.0 |
| Total | 85 | 97.7 | 100.0 |  |
| Missing | System | 2 | 2.3 |  |  |
| Total | | 87 | 100.0 |  |  |

**8b. Ability to analyze a problem, and identify and define the computing requirements appropriate to its solution**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 31 | 35.6 | 36.0 | 36.0 |
| Well | 42 | 48.3 | 48.8 | 84.9 |
| Not Well Enough | 13 | 14.9 | 15.1 | 100.0 |
| Total | 86 | 98.9 | 100.0 |  |
| Missing | System | 1 | 1.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**8c. Ability to design, implement, and evaluate a computer-based system, process, component, or program to**

**meet desired needs**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 37 | 42.5 | 42.5 | 42.5 |
| Well | 37 | 42.5 | 42.5 | 85.1 |
| Not Well Enough | 13 | 14.9 | 14.9 | 100.0 |
| Total | 87 | 100.0 | 100.0 |  |

**8d. Ability to function effectively on teams to accomplish a common goal**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 30 | 34.5 | 35.3 | 35.3 |
| Well | 41 | 47.1 | 48.2 | 83.5 |
| Not Well Enough | 14 | 16.1 | 16.5 | 100.0 |
| Total | 85 | 97.7 | 100.0 |  |
| Missing | System | 2 | 2.3 |  |  |
| Total | | 87 | 100.0 |  |  |

**8e. Understanding of professional, ethical, legal, security and social issues and responsibilities**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 28 | 32.2 | 32.9 | 32.9 |
| Well | 41 | 47.1 | 48.2 | 81.2 |
| Not Well Enough | 16 | 18.4 | 18.8 | 100.0 |
| Total | 85 | 97.7 | 100.0 |  |
| Missing | System | 2 | 2.3 |  |  |
| Total | | 87 | 100.0 |  |  |

**8f. Ability to communicate effectively with a range of audiences**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 20 | 23.0 | 23.3 | 23.3 |
| Well | 46 | 52.9 | 53.5 | 76.7 |
| Not Well Enough | 20 | 23.0 | 23.3 | 100.0 |
| Total | 86 | 98.9 | 100.0 |  |
| Missing | System | 1 | 1.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**8g. Ability to analyze the local and global impact of computing on individuals, organizations, and society**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 19 | 21.8 | 22.4 | 22.4 |
| Well | 36 | 41.4 | 42.4 | 64.7 |
| Not Well Enough | 30 | 34.5 | 35.3 | 100.0 |
| Total | 85 | 97.7 | 100.0 |  |
| Missing | System | 2 | 2.3 |  |  |
| Total | | 87 | 100.0 |  |  |

**8h. Recognition of the need for and an ability to engage in continuing professional development**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 24 | 27.6 | 27.9 | 27.9 |
| Well | 36 | 41.4 | 41.9 | 69.8 |
| Not Well Enough | 26 | 29.9 | 30.2 | 100.0 |
| Total | 86 | 98.9 | 100.0 |  |
| Missing | System | 1 | 1.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**8i. Ability to use current techniques, skills, and tools necessary for computing practice**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 27 | 31.0 | 31.4 | 31.4 |
| Well | 47 | 54.0 | 54.7 | 86.0 |
| Not Well Enough | 12 | 13.8 | 14.0 | 100.0 |
| Total | 86 | 98.9 | 100.0 |  |
| Missing | System | 1 | 1.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**8j. Ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 24 | 27.6 | 27.9 | 27.9 |
| Well | 44 | 50.6 | 51.2 | 79.1 |
| Not Well Enough | 18 | 20.7 | 20.9 | 100.0 |
| Total | 86 | 98.9 | 100.0 |  |
| Missing | System | 1 | 1.1 |  |  |
| Total | | 87 | 100.0 |  |  |

**8k. Ability to apply design and development principles in the construction of software systems of varying complexity**

|  | | Frequency | Percent | Valid Percent | Cumulative Percent |
| --- | --- | --- | --- | --- | --- |
| Valid | Very Well | 24 | 27.6 | 27.6 | 27.6 |
| Well | 49 | 56.3 | 56.3 | 83.9 |
| Not Well Enough | 14 | 16.1 | 16.1 | 100.0 |
| Total | 87 | 100.0 | 100.0 |  |

**Descriptive Statistics**

If you are currently enrolled in a graduate program:

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 2d. How well did the Computer Science Department prepare you with the skills and knowledge needed to succeed in graduate studies? | 44 | 1.82 | .620 |

Rating Scale 1 = Very Well; 2 = Well; 3 = Not so well

If you are currently enrolled in a graduate program:

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 3b. How many years have you worked for this organization? | 80 | 2.84 | 1.939 |

Rating Scale 1 = <1yr; 2 = 1 yr; 3 = 2 yrs; 4 = 3 yrs; 5= 4 yrs; 6 = 5 or more yrs

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 3c. How many promotions have you received since joining this organization? | 79 | 1.71 | 1.111 |

Rating Scale 1 = 0; 2 = 1; 3 = 2; 4 = 3, 5 = 4; 6 = 5 or more

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 3g1. Making business decisions (recode) | 73 | 11.25 | 15.056 |
| 3g2. Making technological decisions (recode) | 73 | 45.78 | 32.676 |
| 3g3. Supervising others (recode) | 73 | 12.74 | 16.930 |
| 3g4. Other (recode) | 73 | 30.23 | 36.103 |

Rating Scale = Percentage

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 3i. How well did the Computer Science Department prepare you with the skills and knowledge needed to succeed to advance your career? | 79 | 1.87 | .628 |

Rating Scale 1 = Very Well; 2 = Well; 3 = Not so well

If you are currently self-employed

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 4a. How long have you been self-employed? | 8 | 1.88 | .991 |

Rating Scale 1 = 1yr; 2 = 2 yrs; 3 = 3 yrs; 4 = 4 yrs; 5= 45 or more yrs

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 4c. Number of employees besides yourself: | 8 | 2.63 | 1.847 |

Rating Scale 1 = 0; 2 = 1; 3 = 2; 4 = 3, 5 = 4; 6 = 5 or more

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 4e.How well did the Computer Science Department prepare you with the skills and knowledge needed to succeed in self employment? | 8 | 1.75 | .886 |

Rating Scale 1 = Very Well; 2 = Well; 3 = Not so well

Professonal Involvelment:

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 6a. How many professional papers have you published since graduation? | 83 | 1.52 | 1.119 |
| 6b. How many professional conferences have you attended since graduation? | 81 | 2.63 | 1.900 |
| 6c. How many professional presentations, panel discussions, or lectures have you given since graduation? | 81 | 2.07 | 1.709 |

Rating Scale 1 = 0; 2 = 1; 3 = 2; 4 = 3, 5 = 4; 6 = 5 or more

How well did the CSD provide you with essential abilities:

|  | N | Mean | Std. Deviation |
| --- | --- | --- | --- |
| 8a. Ability to apply knowledge of computing and mathematics to solve problems | 85 | 1.75 | .688 |
| 8b. Ability to analyze a problem, and identify and define the computing requirements appropriate to its solution | 86 | 1.79 | .688 |
| 8c. Ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs | 87 | 1.72 | .710 |
| 8d. Ability to function effectively on teams to accomplish a common goal | 85 | 1.81 | .699 |
| 8e. Understanding of professional, ethical, legal, security and social issues and responsibilities | 85 | 1.86 | .710 |
| 8f. Ability to communicate effectively with a range of audiences | 86 | 2.00 | .686 |
| 8g. Ability to analyze the local and global impact of computing on individuals, organizations, and society | 85 | 2.13 | .753 |
| 8h. Recognition of the need for and an ability to engage in continuing professional development | 86 | 2.02 | .767 |
| 8i. Ability to use current techniques, skills, and tools necessary for computing practice | 86 | 1.83 | .654 |
| 8j. Ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices | 86 | 1.93 | .699 |
| 8k. Ability to apply design and development principles in the construction of software systems of varying complexity | 87 | 1.89 | .655 |

Rating Scale 1 = Very Well; 2 = Well; 3 = Not so well

**WRITTEN COMMENTS**

**1d. List each degree you have received since high school. Include your major(s) and minor(s), which university awarded the degree, and when you received the degree. (For example: BS in CS from SJSU in Fall 08):**

* BS in CS from CSULB, August 2003. MS in CS from SJSU, December 2007.
* BSCS SJSU Fall 11
* BS in CS from SJSU - Fall 2008
* BS in CS from SJSU SUMMER 2010
* BS Computer Science - Spring 2005 MS Computer Science - Spring 2007
* BS in CS from SJSU in Spring 07
* BS Biochemistry BS Computer Science
* BS in CS from SJSU in Spring 09 Minor in Math from SJSU in Spring 09
* AA from Mission College BS in Computer Science in SJSU MS in Computer Science in SJSU
* BS in CS from SJSU in 2010 Minor in Mathematics from SJSU in 2010
* MS in CS from SJSU in Spring 11
  + MS in CS from SJSU in Fall 11 - BE in CS from VTU (India) 2005
* BS in CS from SJSU in Spring 09
* BE in Computer Engineering from Pune University, India in Spring 2006 MS in Computer Science from SJSU in Fall '11
* BS in CS from SJSU, graduated Fall 2008
* BS in CS from SJSU in Spring 10
* BE in IT from Sardar Patel University Fall 08 MS in CS from San Jose State University Fall '11
* BS in CS from SJSU in Spring 2008
* BS in MIS, minor in Spanish from Santa Clara University in Spring 1998. MS in CS from SJSU in Fall 2008. PhD in CS from UC Santa Cruz in Fall 2012 (expected).
* B.S. Computer ngineering M.S. Computer Science
* BS in CS, Minor in Mathematics from SJSU in Fall 2010
* BS in CS from SJSU in Fall 99 MS in CS from SJSU in Spring 08 MS in Cog. Sci. from Brown University in Spring 10
* BS in Physics, California Institute of Technology, 2001. BA in Mathematics, SJSU, Spring 2011. BS in Computer Science, SJSU, Spring 2011.
* BS in CS with minor in Mathematics from SJSU in Spring 2011
* MS from SJSU in 2011
* BS in CS from VTU, India in June 2002. MS in CS from SJSU in Summer 2010
* MS in CS from SJSU in fall 2011
* Master of Science (Major: Computer Science) 2. Bachelor of Engineering (Major: Computer Science)
* BS in Computer Science from Bangalore Institute of Technology. MS in Computer Science from SJSU.
* B.S. Computer Science
* MS in CS from SJSU in Fall 11
* BS in CS from CSULB, August 2003. MS in CS from SJSU, December 2007.
* BS in CS SJSU in Fall 08
* BS in Computer Science from SJSU Spring 08 Minor in Mathematics from SJSU Spring 08 MS in Computing: Graphics and Visualization from University of Utah Spring 2012
* BS in CS from SJSU in Fall 09 BS in MS SE from SJSU in Fall 12
* B.S. Computer Science, SJSU Math Minor, SJSU
* BS in CS from SJSU and Minor in Math from SJSU
* BS in CS from SJSU in Spring 2007
* BA in Music Performance from SJSU Fall 94 MM in Music Performance from CSUN Fall 99 AS in CS from Cabrillo College Spring 04 BS in CS from SJSU Fall 10
* MS in CS in 2009
* BSCS from NIU in Spring 00 MSCS from SJSU in Summer 09
* BS in CS - Cal Poly SLO (Summer 2008) MS in CS - SJSU (Winter 2009)
* BS in CS from SJSU in Fall 2011
* BS in CS from SJSU in Spring 11
* BS CS SJSU spring 2011 w/ Math minor
* BS in CS in fall 2009
* MS in CS from SJSU in fall 08
* 1.MS in CS from SJSU in Summer 2011. 2.BE (Bachelors of Engineering) in Computer Engineering from Pune University, India in Fall 2008.
* BS in CS from SJSU in Spring 2011
* BS in CS and a minor in Mathematics from SJSU in Fall 2007
* A.S. Computer Studies, Ohlone College June 04? B.S. Computer Science, SJSU May 08
* MS in CS fall 2010, MBA Fall 2005, BS in Comp Eng 2000
* MSCS from SJSU in Fall 11 BECE from GU in Fall 08
* B.Eng in CS from Fuzhou University, MS in CS from SJSU
* BS in CS from SJSU in 11
* BS in CS from SJSU in Spring 2010
* B.Tech - Computer Engineering, MS in CS
* BS - Computer Science Minor - Math
* MS in CS from SJSU in Fall 2008 BE in Computer Engg, May 2006
* MS(CS) - San Jose State University - May 2011 BE(IT) - Mumbai University - Aug 2007
* BE in CS from Anna University, Chennai, INDIA in SPRING 2006 MS in CS from SJSU - SPRING 2010
* BS in CS from SJSU in Fall 08
* MG Univ. India- BA SJSU - BS
* San Jose state University, MS in Computer science Osmania University BE in Electrical engr
* BS in CS from SJSU in Summer 11
* BS in CS from SJSU in Fall 09
* BS in CS from SJSU in Spring 2006 MS in CS from SJSU in Spring 2008
* BS in CS from SJSU in Spring 2008
* BS in CS from SJSU in Spring 2011
* BS CS SJSU Fall 05 MS CS SJSU Summer 10
* MS in CS from SJSU in Fall 10
* Associate of Science in Engineering - Mission College (2006), Associate of Arts in General Studies - Mission College (2006), Bachelor of Science in Computer Science - SJSU (2008 - CS Graduate of the Year), Associate of Science in Business - West Valley (2013)
* BS in CS from SJSU in Spring 07
* BS in CS from SJSU Spring 2010
* AA Social Science Merced College Fall 03 BS Computer Science SJSU Fall 07
* BS CS from SJSU Spring 08
* BS in CS from SJSU in Spring 09
* BS in CS from SJSU in Fall 08
* BS in CS From SJSU Fall 07
* ? M.S. Computer Science, San Jose State University, USA May ‘09 ? B.E. Computer Engineering, Dnyaneshwar Education Trust India May ‘05 ? Diploma in Business Administration, Narsee Monjee Institute of Management Studies, India May ‘02 ? Diploma in Mechanical Engineering,Bhausaheb Vartak Polytechnic, India May ‘01
* BS in CS from SJSU in Summer 11
* BS in CS from SJSU in Spring 07 with a minor in math
* B.S in CMPE SJSU M.S in CS SJSU
* BS Comp Sci, UCSB, 2000 MS Comp Sci, SJSU, 2010
* BE in Computer engineering from Gujarat University in 2008 2. MS in computer science from SJSU in Spring 2011.
* MS in CS from SJSU in Spring 2010
* MS in CS from SJSU in Fall 08 BS in Engg. from India in June 1997

**2a. Which program? (For example: MSCS program at SJSU)**

* BS
* MSSE program at SJSU (off-campus)
* Not currently enrolled
* No
* Joint Carnegie Mellon University-University of Pittsburgh Ph.D. Program in Computational Biology
* PhD program in CS and UC Santa Cruz.
* na
* Joint PhD at the University of Edinburgh (UK) and Macquarie University (Australia)
* UC Davis, Graduate Group in Computer Science (PhD program)
* Ph.D. in Bioinformatics at UCSC
* MSCS
* MS in Computing: Graphics and Visualization at University of Utah
* MSSE at SJSU
* I am not enrolled in a graduate program.
* none
* N/A
* No
* No. MS CS @ SJSU is my recent Graduation.
* No
* MSCS program at Washington university in st. Louis
* Graduated
* no
* MS CS
* n/a
* N/A
* PhD in CS from UCSC
* MSCS Program st SJSU
* N/A
* NA

**2b. When do you anticipate graduating?**

* 2014
* 2015
* 2015
* 2016
* Already graduated
* Completed in Fall 2008
* Dec 2012
* Dec, 2011
* Fall 2010
* Fall 2012
* Fall 2013
* I am already graduated on Fall 2010.
* May 2010
* May 2012
* May 25th, 2012
* MSCS
* N/A
* N/A
* N/A
* N/A
* na
* NA
* NA
* Next year or two
* Spring 2013
* Spring 2013

**2c. Which programs that you applied to accepted your application?**

* CS
* Iowa State University (Bioinformatics & Computational Biology PhD), Carnegie Mellon University-University of Pittsburgh (Computational Biology PhD)
* MS CS
* MS in CS
* MS SE, emphasis on cloud computing and actualization
* MSCS
* MSCS
* MSCS
* MSCS at USC MSCS at UC Irvine MSCS at UC Riverside (awarded Dean's Distinguished Fellowship) MSC:GV at University of Utah MSCS at Stony Brook
* MSSE program at SJSU (off-campus)
* N/A
* N/A
* N/A
* N/A
* na
* NA
* NA
* Not sure I understand the question but I did not apply to any other programs while pursuing the CS degree. I just wanted to finish my degree and work in the industry (I started my career well before my graduation date).
* UC Davis, Boston University, UC Santa Barbera
* UC Santa Cruz, UC Davis
* UC Santa Cruz, UC Davis, EPFL (École Polytechnique Fédérale de Lausanne)
* University of Edinburgh, Macquarie University
* Was only interested in pursuing Ph.D. at this one school. Applied only to one school. Got accepted.
* Washington university in st. Louis

**2d. Which programs that you applied to rejected your application?**

* (All bioinformatics PhD programs unless noted:) Penn State University, University of Pennsylvania, Virginia Commonwealth University, Boston University, UCSF - Quantitative Biology 3, Ohio State University, Cold Spring Harbor Laboratory
* Cornell and Berkeley
* MS in Visualization at Texas A&M MSCS UC Berkeley MSCS UC San Diego MSCS University of Maryland
* N/A
* N/A
* N/A
* N/A
* na
* NA
* NA
* None
* None
* None.
* Not sure I understand the question but I did not apply to any other programs while pursuing the CS degree. I just wanted to finish my degree and work in the industry (I started my career well before my graduation date).
* Stanford Berkeley
* Stanford, UC Berkeley, Harvard.
* UC Berkeley, Stanford

**2f. Please explain how well did the Computer Science Department prepare you with the skills and knowledge needed to succeed in graduate studies.**

* - Research Experience directed by Prof. Melody Moh - Presentation/Poster experience through both the above experience and with the help of Prof. Sami Khuri. - Projects in upper division and graduate level courses. - Breadth knowledge useful in algorithms and architecture requirements. - Fulfilment of undergraduate equivalency as required by UC Davis' program through SJSU CS core requirements (Programming Languages, Operating Systems, etc).
* Almost all courses are job oriented. This is the best part of CS dept.
* Charles Schwab Corp.
* Debra Caires has provided me with many skills such as reading / writing skills, technical skills, communication skills, applicable knowledge such as white papers, RFPs, group work/interaction, team dynamics, delegation of work within a group, how to communicate and work collaboratively, and much more. Other courses taught me time management as well as dedication to studies. Whenever application of studies in class were made apparent in how they can be applied to a job or real world, helps apply the concept. So it allows me to try to apply studies now / future with how it is applicable to my field of study and further enrich myself in its application and knowledge/skills.
* Does not in practice offer certain advertised course. Does not allow enough room in course pattern for many electives - just 4. SJSU "extended studies" GE is crap, and unnecessary for many students in the harder sciences who already are well rounded and educated. This is not CS department's fault, but takes away from what the CS department can offer.
* excellent problem solving skills, especially with the courses offered by Dr. Cay Horstmann , Dr. Chris pollett and John Pearce
* I am looking forward to taking Graduate classes and hope I am well prepared
* I did not pursue graduate studies. I preferred to work in the industry instead.
* I expected to learn more state of the art stuff. In few courses, I thought I learnt more in my BS in India, than in MS in the US. I must admit with the cost of the program being so high, the quality of education at the time I was graduation needed to be better
* I feel very confident with the skill set that I learned from CS@SJSU
* i guess it varied, i wish they were more strict at the start of CS, some courses seemed easier than others which could be a good or a bad thing, only thing that i really took from CS was my ability to program, rest of the courses are just distant memories
* I only have one other program to compare to, but it seems that SJSU puts more emphasis on OO principles than UCSC. Here the focus seems to be more on low level languages (e.g. C). Personally I think UCSC is handicapping their students by not emphasizing on good SE practices and OO design.
* I took graduate courses as an undergrad. The most useful courses to me were Advanced Java and Data Structures, Algorithms (both undergrad and grad), Bioinformatics (both undergrad and grad), Computer Security, and Software Engineering.
* I was prepared for the programming portion, but not the research portion.
* It really helped me to improve computer science knowledge and get job in bay area.
* It was dependent on which course one takes under which professor! I was benefited highly from CS265,266 (Stamp), CS185(Pollett), CS160 (Tseng) among the few other courses I had undertaken. These helped me to grab nice a job in Silicon Valley.
* Learned the concepts well in each area and gained hands on experience by doing the projects.
* Lernt all the latest technologies and implemented them which helped me crack the Programming Interviews
* More Classes Needed- With flexible timings
* Most of what I did on a daily basis was learned in the industry, and not in school. However, I did appreciate the foundational computer science knowledge learned while in school.
* N/A
* N/A
* Needs more focus on real world problems. Most courses require the student to do little or no actual programming or problem solving.
* Offered diverse set of courses for learning different technologies such as Java, .Net, and PHP.
* Preparation was strong in coding skills, presentation skills, and coverage of CS core concepts. One thing I could have used was more practice going through the process of submitting publications to conferences/journals. (Noting here that I attended SJSU as a Master's student). Also, some coverage of LaTeX would have been useful, though that may be specific to my area.
* Solid background of algorithm and data structure, operation system. Software engineering skill from developing compiler
* Some courses offered in Computer science dept at sjsu are really good. Courses like Java design patterns, Computer networks, etc are really good. These courses really help a lot in developing designing as well as programming skills.
* The breadth of course work covered in most core courses was very good. However, in my experience, some of the special courses (100 level and 200 level) were not designed carefully.
* The courses are very limited and so are the teachers. The demand of few subject is much high and so mostly its struggle to get seat in those classes. I believe it would much more helpful if CS and CMPE departments do combine few of their courses so that student can get benifitted. A lot is lacking in CS department as of now.
* The department was better geared toward industry. I had to pursue leads outside SJSU to find a suitable MS project, which is what eventually led to my PhD program. On the other hand, SJSU made it relatively easy to add external committee members once I found them.
* Very good overall training of skills and knowledge in all fields
* very well
* When I joined in 2006, the course offerings were very stringent and core subjects not conducted every semester & so student tend to take more years to graduate. I am not sure if that is the case now. Additionally, absence of Technology management courses, realtime practical database courses were not offered. Practical projects pertaining to starting startups should be given some consideration. projects merely remain in academic interest does not help students overall. collaborative projects should be taken which exposes student to working in teams, developing different modules of project, bringing together helps students to learn Project management skills, team work, & organizational behaviour. This could be internal CS dpt projects too or a idea brainstormed & selected from competition. This will drive innovation from SJSU CS dpt like we have it from Berkely, Stanford etc. Though it is a State university but we can still prve our point.
* While SJSU's CS courses prepared me very well for the practical aspects of some of my courses, I had more difficulty with some of the theoretical aspects than my peers. For example, in the first year of my program we take Carnegie Mellon's very rigorous graduate machine learning course. I did very well on the programming assignments for this course, however the theoretical proofs were completely over my head. I passed the course only conditionally and was put on academic probation. Meanwhile, other students in my program with biology and physics backgrounds were able to pass. On a positive note: I feel like being at SJSU and particularly in the CS Club put me at a great advantage in terms of being up-to-date on computer science culture. After speaking with CS students from other schools I have found that the talks that Dr. Horstmann and other faculty organized with people from IBM, Mozilla Foundation, Sun, GNU, etc, along with the culture of students hacking on software projects through the night in the CS Club made for a really unique experience that few state universities can rival.

**3a. What organization do you currently work for?**

* 8x8, Inc.
* a10 networks
* Accenture
* Apple
* Apple, Inc.
* Applied Signal Technolology
* Axcient
* Barracuda Networks
* Baynote
* Broadcom Corp.
* Brocade
* Calypso Technology
* Charles Schwab Corp.
* Charles Schwab Corp.
* Cisco Systems
* Cisco Systems, Inc.
* CK-12 Foundation
* Cognizant Technology Solutions.
* Computer Networking Business
* coupons.com inc
* Csidentity corp
* current job
* Cyberlight LLC
* Dell, Inc
* DigiSpoke, Inc.
* E\*Trade Financial
* eBay
* eBay
* eBay
* eBay Inc
* EMC CORP
* ETrade Financial Corporation
* Facebook, Inc.
* Full time student.
* Gazillion Entertainment; Gaming Industry
* Google
* Groupon
* Hewlett Packard Inc.
* Hewlett-Packard
* Hytracc Consulting
* IBM
* IBM
* iD Tech Camps
* ITradenetwork Inc.
* Lockheed Martin
* Marketing/Advertising company
* MarkLogic
* Martini Media
* N/A
* NetApp
* NetAPP
* NONE
* OnLive, Inc.
* Palantir Technologies
* Palm (acquired by HP)
* Parkside Lending
* PayPal (eBay)
* Please ignore -- I could not figure out how to unselect the radio buttons.
* Qinetiq North America
* Qualcomm Atheros Communications
* RealSelf Inc,
* San Jose State University
* Sony Mobile
* Sony Playstation
* SourceTrace Systems Inc.,
* Stanford
* Strongauth, Inc.
* Strongmail systems
* SugarCRM
* TATA Consultancy Services
* Tech
* Unemployed INC.
* University of Utah
* Venture Web Partners / InCube Labs LLC
* Verisign Inc.
* VMware
* Wells Fargo Bank
* Western Digital
* Workday
* Yahoo Inc
* Yahoo Inc.

**3e. What is your current job title?**

* Advisory Software Engineer
* Analyst
* Associate Software Engineer
* Associate Software Engineer
* Associate, IT Architecture
* CEO
* cyber security engineer
* Database and Web Application Developer
* Developer Lead
* Director of Solutions & Technology
* Engineer Support
* Financial Consultant
* Firmware Engineer
* Flight Software Engineer
* Front-end Engineer
* Individual consultant
* Information Technology Consultant
* IT Engineer
* IT Manager
* Job Seeker
* Lead Web Malware Analyst
* Management
* Member of Technical Staff
* Mobile QA Engineer
* Network Security Engineer
* NONE
* Operations Engineer
* PHP Developer
* Platform Software Engineering Lead
* Product Manager
* Programmer Analyst
* Programmer/Analyst
* Python Developer
* QA Software Engineer
* Research Assistant
* SDK Development Engineer
* Security Software Engineer
* Senior Software Developer (iPhone)
* Senior Web Developer
* Senior Web Engineer
* Server Side QA Engineer and Front End Lead
* Software Consultant
* Software Developer
* Software Developer
* Software Developer
* Software Developer
* Software Development Engineer
* software engineer
* Software engineer
* Software engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer
* Software Engineer / PHP Developer
* Software Engineer 2
* Software Engineer 2
* Solutions Engineer
* Sr. Compiler Engineer
* Sr. Manager, webOS Software
* Sr. Principal Software Engineer
* Sr. Verification Engr
* Staff Software Engineer
* Student
* Sw eng
* System Administrator
* Systems Test Engineer
* Unix Systems Administrator
* UNIX Systems Engineer
* VP of Engineering
* Web design Advisor
* Web Developer
* Web Developer/Software Developer

**3f. What are your principle duties?**

* - Design and implement unique features on OnLive for triple A games - Create and maintenance SDK tools and documentation for game developers to port their titles to OnLive platfor
* - Develop PHP/HTML/Javascript applications - Setup and monitor our servers in the Cloud - Provide support for critical tickets and network failures
* -Expertise in several web technologies like, PHP, JSP, PERL, AJAX, JavaScript, SOAP/ REST, XML. - Single point of contact to gather & understand the marketing business requirements for SonicWALL.com, Content Management System (CMS), Web Analytics and Eloqua automation. - Ability to identify complex problems, troubleshoot technical issues and address issues with innovative solutions. - Initiate, coordinate and lead both onsite & offshore web development efforts. - Lead the technical deliverables of the projects (design, development, testing, production release and maintenance) for all new projects & enhancements. - Managed marketing data feeds by working through 3rd party vendors (agencies). - Hold primary responsibility for using and maintaining the web content management system (RedDot), and managing the vendor relationship with the CMS provider. - Created Web Trend (usage) metrics using Google Analytics for SonicWALL corporate website. - Designed & Created email templates in Eloqua to support Marketing Campaign’s.
* -Front end programming -Back end programming -Communication within team, remote teams and stakeholders -Developing web sites that are cross browser functional, that deliver high quality experience to end users, and meet and exceed stakeholder's expectations, objectives, and requirements -Understanding and utilization of Agile Software Development -Version control utilizing GIT upholding best practices -Setup, deploy and configure own Virtual Machine/Host utilizing ssh tools such as Putty. Technologies used are: Unix, PHP 5, Apache 2, Tomcat, SQL/MySQL, etc -Update wiki with documentation on deployed features, updated features, and new features -Working with designers to create/modify/feedback for new and existing web pages
* 1. Customer Requirement Analysis. 2. Design 3. Estimations. 4. Development 5. unit testing 6. Production rollout
* Administer Systems
* Back end programming, adding features and optimization to currently existing tools
* Building and maintaining web services and software
* Building enterprise web applications using JavaScript and other technologies.
* Building stuff
* Carrier Compliance and Verification for smartphones
* Coding, security architecture review and testing, other miscellaneous.
* Currently I'm one of the Apple representatives to the DWARF standards committee, design and maintain the debug information support in the compiler in addition to JIT and inline assembly support. I also mentor both incoming engineers and external engineers via our open source contributions.
* Daily regression testing Bug reporting, debuging
* Data Analysis.
* DB2 Development
* Design, develop, test, support middleware.
* Design, implement, test, and document software according to customers' needs.
* Designing PHP based Software and Web Applications on the company's proprietary PHP Development Framework
* Develop application in Java.
* develop projects in a good quality and meet the dead line No production issues
* Developing switch software (L3 multicast routing & Firmware on wireless AP and controller products)
* Developing test and new software features and maintenance of legacy code
* Developing web appliction
* Development
* Development of server-side Java applications and client-side .Net applications
* find compromised PII
* Forecasting & budgeting for a business unit
* Front-end Development
* Home Maker - Have 2 kids
* I work in oil and energy sector. My job is to design and implement the various stages of oil and gas production in EC.
* implementing the product on customers' websites
* Information Security oriented tools development
* iPhone Development for our family of iOS application, implement features, fix bugs, communicate with testers and other platform teams
* Lead a team of programmers to deliver timely release. Maintain product quality. Code reviewing, assigning bugs, etc.
* Lead FSW Development
* Lead the front end team, perform upgrade testing, manage the weekly patching process
* Leading and building an engineering team while driving the product development efforts and process within the organization.
* Maintain Company IT globally
* Maintenance of Infrastructure, Customer support
* Make application better
* Manage student workers, resolve Help Desk tickets, scheduling workers, write protocols, maintain computer lab and laptops, computer upgrades, ensure good customer service
* Manage team of 6 people, provide interface between software engineering and hardware/manufacturing
* Manages virtualization related features running on Brocade Fabrics
* Managing 10,000+ Linux and Solaris servers (including VMs) across multiple data centers worldwide. VMware, EMC SAN storage, NetApps.
* Mobile application testing
* Monitoring tool development
* Oversee a small team of engineers designing core UI libraries in C++ for real time SDH/PDH signal analysis.
* Participate in the whole software life cycle: design, implement, test, and maintain
* People Manager (3 direct reports); Lead research analyst in charge of a team who researches & develops new web malware detection & classification techniques; Advise product management; Design and co-implement distributed systems for data collection and web malware identification
* PHP, MySQL, JS coding
* Product Management, Marketing, PR, Investor Relations, etc..
* Programmer
* Programming
* Programming, QA, Support
* Project Management, New Product innovation,New hardware exploration, vendor management. It is a US based 6 yr old startup & I manage complete Asia operations.
* QA
* Quality Assurance
* Release Mangement, Automation Engineering, Capacity Planning
* resolve quality issues with development team
* Responsible for the design, production, and management of web projects using a verity of technologies including ASP.NET, C#, JavaScript. Worked with the team on relational database systems on SQL server 2008. • Developed many different themes, CSS files and search criteria modules to maintain the web sites and responsible for the determination of the requirements of module and apply those requirements. • Developed web contents and enhance the web sites by utilizing the languages like CSS, .NET, XHTML. Client-side technologies included ASP.NET AJAX, jQuery, JSON. • Optimizes the database application by writing the codes to solve the problems developed the database queries.
* Sending in resumes to employers online. Going to interviews for positions I can't get due to lack of experience.
* Serve as technical lead/architect for several software projects while managing several teams comprised of software and QA engineers.
* Software Architecture, Design and Development for Mobile platforms.
* Software Consulting
* Software Developer
* software development
* Software Development in networking & security domain in Kernel space
* Software development, debugging, and testing
* Software Engineering
* Web based applications and internal tools
* web development, programming and planning
* Web migration to Drupal CMS Development and Database maintenance
* Work on Bacen architecture for a web application . I use Java,Cassandra Database and REST APIs
* Working with Information Security Engineers to ensure compliance of solutions with corporate security policies, , developing automation tools and scripts.

**3j. How could the Computer Science Department improve preparing students for career advancement?**

* - Classes should have more real world problem solving assignments - A student should at least be proficient in two high level languages (i.e. Java and C++) and one scripting language (i.e python) regardless of his/her specialty - more real world topics in the lecture instead of just going over the text book (i.e, Object oriented design class should at least teach student what "singleton" design pattern is)
* \* Offer classes that teach how to advance in a career \* Offer course sequences in various spheres of CS, not just software development, but QA, SysAdmin, Enterprise Networking, Database Architecture/Administration, etc.
* Better teachers
* By having more semester long projects that focus on software development methodologies. Also group projects are important in developing social interactions and team development skills. Focus on understanding fundamental computer science theories and practices so that it can be applied to new technologies/programming languages.
* By improving the varied course which are used latest in market. Software Engineering dept has some courses which are upto market needs, CS can do the same.
* By providing more exposure to various fields. I knew nothinga bout my field oil & energy while at CS department. I am sure there are a lot of other fields which students aren't aware and they shd know so that they can explore their opportunities.
* Career advancement is up to the students after they've been in the field. SJSU can help them best by helping to get their careers started successfully. Have the students work with newer technologies, eg JQuery-based stuff or Python. No one has a huge amount of experience in this stuff; but the SJSU CS graduates are competing for jobs with people who have many years of experience in Java (the college's main language). Also, my main weakness as a CS graduate is a lack of Linux/Unix experience. The Unix class (which I didn't take) is not enough to solve this problem. The college could solve this by changing the dev environment used in existing classes instead of requiring new classes.
* Classes for more practical technologies - like embedded linux (incl debugging skills), compilers, and OS
* Continued effort in offering elective classes that are relevant to technologies being used in industry: Unix Cert, Networking, Databases , Mobile App development
* Cost and schedule are just as important as delivering something that works. SJSU did not teach me how to balance the 3, and I see many engineers that never learn this.
* CS dept should offer good OS courses
* Focus on Core Computer Science subjects
* Frameworks.
* Hire good professors & offer classes are useful.
* I felt there was not enough emphasis on data structures and algorithms. Combinatorics should also be a required course.
* I graduated with relatively few practical skills (databases, web, etc.). Not that I had no opportunity to learn that stuff but I wasn't particularly pushed toward learning any of it either. Also, I think people can generally get a CS degree having written too little code to be employable (everywhere, not just SJSU). I think the best ways to fix that are to encourage building stuff that won't just get deleted once the class is over (http://www.jsu07.com/ss/ is a killer exampe) and to promote competition (TopCoder, ACM, etc.).
* I have already given some of my comments in previous section. Adding to it, I would like to initiate a competitive edge to the program by creating more companies from campus, creating more founder entrepreneurs & thereby generating more jobs in valley. brainstorm ideas, build teams, build products & services, build a startup community within the campus under one roof.
* I wish that the department could give me more hands on experience with hardware. I still remember how confused I was when I had to deal with hardware like cables, cabinet, enclosure, switches, diffferent types of storages, servers, etc.
* I would've appreciated a modern understanding of what it means to be a computer scientist in the industry. Where were the classes on building large scale web & mobile applications using the latest technologies? Oh, and advanced javascript, please! :)
* Improve the practical programming components for each and every CS class. Eg: Add programming assignments to each and every class. For 100/200 it can be C/Java For 300/400 make students pick their own language or let them learn languages on the fly.
* Included more courses related to algorithms, cloud computing, data mining, and machine learning
* Increase focus on web application development (such as J2EE/JSP, and ASP .net)
* It will be more helpful if there are more hands on and course work programs that allow student to be more familiar with industry standard.
* Keeping the classes up to date. Things I learned in SJSU are not how it is done in the real world.
* Learn from Dr. Pollett's courses, they were awesome, and very very challenging
* learnt very good web development skills during my masters prject under Dr pollett
* Less irrelevant coursework (ex 100W seems to be a lot of busy work). Courses in which the instructors believe they are helping the students succeed in life can be frustrating for students who already work 40-80 hours and week and go to school full time. These classes may be helpful to some students, but tend to be unorganized and very stressful.
* Less vocational and more theoretical training. The current program is almost entirely vocational and the students coming out have little to no knowledge of computers beyond writing GUI applications and web pages.
* Make it mandatory for students to have to write a large amount of code. Problem solving is sorely lacking in the program except those by Dr. Horstmann, Dr.Pollett, etc.
* Make some fundamental course mandatory. like OOA,OOD
* Management class would be helpful
* Mandatory internship
* More Challenging Projects
* More emphasis in C/C++ programming
* More opportunities to engage with the OSS community and/or do direct entrepreneurship (e.g. apps for phones, etc). Focus on communication/selling ideas to customers or fellow developers.
* More projects that involve a teams with more than 2 people
* More relevant and up to date coursework on technology the employers currently use. Offering C++ and/or C# as elective classes. Spliting up the Server Side Web Programming class into 2 or 3 separate sections. Drastically improve career and resume prep knowledge of faculty and career center.
* More relevant technologies: - Web Technologies - Command line knowledge in unix - Understanding different platforms: Mac OS, Linux, Windows (not just one!) - More collaborative work (and understanding WHY not just assigning team work) - More on explaining "Why's" such as "why are we learning this algorithm, why is it used over another, etc. - Less java... In my personal experience I have seen more use in: C/C++, PHP, SQL, C#, Javascript, and Python - More communication skills and documentation! A lot of work and headaches can be taken away when these skills are emphasized, and a lot of work is NOT programming. Most of the work goes into designing, research, discussions, coordination, etc. Teaching how to communicate to project managers, business teams, stakeholders, remote teams, and more are all beneficial skills and knowledge. If one thing can help students more, it would be communication in all forms. If we can add another, is to always continue to learn ie learn new programming languages, new technologies, and do not stop. The environment is competitive and people who know cutting edge technologies are at the forefront of top / current job markets.
* More software development and small (3-5)team based projects for 3rd party community organizations.
* More specific classes or at least a couple more hands on programming projects. Requiring an internship to graduate may be too difficult but encouraging could help
* More Web-Focused Courses
* more xpath/xquery courses since XML Databases appear to be an emerging technology.
* Need to add more career oriented courses
* no
* Offer a wider variety of deep courses, and have overlap among them so that a student interested in an area has plenty of classes to take, instead of just 1.
* Offer more classes in Python, JavaScript, and Objective C. CS100W was an EXCELLENT way to prepare for report writing and other writing related skills. Everyone hated it, but they'll be grateful later, it is a great class.
* Project Proposal skill. documentation. budgeting. I learn those from CS100W but that's the only 1 class offer that trainning
* Provide a better mix of professors with real-world experience. I learned the most from the few professors who knew what it took to succeed after your degree. The academic professors were more focused on their research than on the betterment of their students or the school itself.
* Provide courses on latest technologies, Arrange coding contests, provide online trainings
* Provide more courses about front-end.
* Really depends on the career path: software engineering or database or systems administration, etc. It would be good to have more database classes, more scripting classes including Python, etc.
* require bash, offer a unit on XSL, advanced Javascript
* Require courses in the use of VCS (such as SVN or Git) and the use of debuggers.
* Should encourage student for publications, research opportunities other than academics!
* Teach current courses that industry values. Make it practical and less theoretical Ensure student is valuable and sought for the experience from school at SJSU
* Teach how to write more modular/testable/efficient code
* The class I had at SJSU that most prepared me for career advancement was CS 160 Software Engineering by Professor Horstmann
* The CS department could open up MS specialization in many areas. For example, Networking, Databases, Systems, etc. This would make the students to be an expert in their area of interest. There could be a few courses open to all specialties.
* The master's program should have compulsory courses on algorithms and operating system. Algorithms is where most students struggle in the interview.
* The program felt too broad. Even with the deep interests courses, I didn't feel it was enough to help me further along. There needs to be a Senior project of sorts that ties together your deep interests.
* The quality of education was extremely poor. The professors lacked good communication skills and the course material didn't cover enough foundations well.
* There are fundamentals that apply to any kind of work in CS, and while SJSU touched on some, they neglected others and missed the big picture: 1) Relational databases are a fundamental. There are few jobs where not knowing how and when to apply an SQL database does not benefit you as a programmer or designer. A class in MySQL or PostgreSQL should the first set of introductory programming courses, and then used throughout other courses, especially the deep-dives. 2) C should be the language which datastuctures and algorithms courses are taught, for two reasons: (1) it teaches proper memory management and the sense that there is an art to programming correctly, and (2) C is very unlikely to go out of style--if you know C (up to proper usage of struct's and function pointers) then you are able to implement efficient, fast code wherever the need arises, even if a project is written primarily in Java (C -> JNI) or Python (cpython modules). 3) Higher level languages have their place: business logic and fast development. The latter CS courses should focus on using a language like Python, Ruby, or worst cast, Java, to construct a large, complex program that requires some small portions written in C (JNI, CPython modules, etc) and uses databases to solve some specific problem. Such a class should also focus on re-using opensource libraries and projects to show that a whole world of code exists to solve common problems specific to individual applications among a vast array of applications. This is where higher-level languages become even more powerful: they often have nice mechanisms for obtaining and making available such 3rd party codebases with automated tools like pypi (python). 4) Do not focus on team projects. Your fears were 100% correct: there really is just 4 or 5 people in a class of 40 who do the work, and the rest barely contribute. Your goal is not to sort out a pecking order--it's to prepare ALL of your student body for real work. Focus on individual projects for the first three years and then go bananas on group projects in the senior year. Students who have skills they've come to rely on in the first three years will be more willing and able to help with group projects. 5) The job market requires experience beyond what any school can teach a student. There needs to be more outside of class skill-building opportunities thrust in the faces of CS students than a bulletin board with job postings and a greasy CS club. Build an individual "summer of code" style project for the entire department with real, interesting projects and then make sure every student either attempts to take part or explains why they don't want to. CS is fun, and it's not all about credits when there are interesting problems that are not crazy hard that kids can dig into and walk away with (A) a non-credit-based individual or small-group project for their resume--as a hiring manager i disregard ALL school projects mentioned on resumes, but this is not for credit and should be primarily individual projects, and (B) skills they can rely on when they're faced with something new they've never seen before in the workplace (which will be from the day of the interviews all the way through the first 3-5 years of their careers).
* There should be courses related to testing and mobile development.
* they prepared me well in relation to programming concepts and in programming in general, i wish they would make a scripting language a required course and UNIX (not froomans course but a general course that gave us UNIX basics). B/c realistically companies these days require at least proficent knowledge in one scripting language and UNIX knowledge is almost a given. I use UNIX at all my jobs even when the job description did not mention it.
* This is such a focused question that has many answers. It really depends on what the student wants to do for a career. If their goal is to write low level device drivers for embedded systems, then SJSU doesn't really prepare them for that path. That said, most of the details of a real engineering environment will be learned on the job. So in that regard, SJSU prepares them quite well.
* very well
* When I was working in a capacity that utilized my CS degree, I continuously felt that my peers that graduated from other universities were far more prepared for the job.

**4b. Products and/or services:**

* Encryption and Key Management
* I also own a small company that writes iOS and Android applications. Our flagship product, TriviaBurst, has been the #1 trivia game on Android for quite some time.
* Iphone App
* iPhone app development and website development
* n/a
* NA
* NA
* PHP based Websites and web applications
* Web application for managing digital operations

**4f. How could the Computer Science Department improve preparing students to succeed in self-employment?**

* :-) I just commented on it in previous section & added my thoughts to it. I am of the view & interested in creating a eco-system on campus to spark innovation. Like finding great ideas, nurturing them to execution, mentors helping students achieve their dreams by guiding them for product / service validation, developing next generation technologies, etc. helping them get initial funding, etc.... I have thought about this and have registered a domain 9Plabs.com but I am looking for some serious associates who can help me . Turning this in kind of Startup incubation for universities kind of.
* A course to teach students basic business practices or communication through the completion of small projects for employers could be very helpful. For example, projects on vworker.com is a great place to start
* Allow student to develop their own project idea in softwarre engineering class
* Engage in talks, sessions on entrepreneurial skills. Recently COB organizes such events, CS should take part in that actively.
* Entrepreneurial courses, web-focused coursework
* I can't seem to recall any course in the CS curricula that touched on business organization or the sociological/psychological background needed to prepare students for leadership roles.
* I don't see any gaps in the SJSU curriculum with regard to elf-employment. Again, most of the lessons learned can only be learned by doing.
* n/a

**5b. Other:**

* as I am from India mainly managing the Visa legalities is a problem. I want to work in US but looking for right company to sponsor my visa.
* donation.
* Due to personal issues that I am not willing to state openly, I have not found work. However, I anticipate a fruitful career once things settle down.
* I am going to be out of my current job because my contract can only last a year. I am going to have to look hard for opportunities I can fulfill
* I am working
* In case not ask: I am enrolled in full time work, enrolled in school as well, and pursuing a higher degree.
* Looking for better opportunities for better profile and pay-scale.

**6d. Which professional organizations do you belong to? (ACM, IEEE. local clubs, etc.)**

* - ACM Student Member - UC Davis' Women in Computer Science
* ACL
* ACM
* ACM
* ACM
* ACM
* ACM
* ACM
* ACM, IEEE
* Biophysical Society, International Society for Computational Biology
* IEEE
* IEEE
* IEEE and IETF
* IEEE PMI Phi Theta Kappa Honor Society Alpha Phi Omega - Alumni
* IEEE, SVG Conference, CSI
* none
* None
* None
* None
* None
* none at the moment
* SJSU club
* TiE Mumbai, Headstart-India
* VMware User Group
* WorldComp

**6e. Describe any other contributions you have made to your profession such as serving as an officer, helping to organize events, etc.**

* - Help others become aware of PMI professional events - Raise awareness of IEEE and some of their events
* -Co-Organizer, UC Davis Women in Computer Science -- through this, continuing outreach events to K-12 students
* Bay Area Recruiting
* help to organize a company user conference.
* Helped to organize office events
* I am still a member of the Game Dev Club @ SJSU, a club that writes code (among other things)
* I have assisted Santa Clara County police and palo Alto Police for IT Management and Logistics during several events.
* I helped organize an event at eBay
* I mentor students via the google summer of code program and via open source contributions.
* I regularly judge at computer science fairs such as Intel's International Science and Engineering Fair (ISEF) and the Pennsylvania Regional
* Joined Emergency team for company.
* Multiple patents in distributed processing, Sr. leadership roles in 2 Global Fortune 50 companies.
* N/A
* None
* none at the moment
* Organized group lunch for over 30 people.
* Paper

**6f. How many not-for-profit projects have you contributed to since graduation? (Adding features to an open source project, for example.)**

* -Working on soon-to-be-released open source tool.
* 2
* 2
* 2?
* 5
* 5
* caja di paja
* I've contributed in varying degrees to a few different projects, and started one open source project.
* Manage systems for my church and for non-profits in the area
* Many.
* n/a
* N/A
* none
* None
* None
* none at the moment
* Not yet but would love to do in future
* Numerous contributions to small OSS projects.
* One for Android app development for medical foundation.
* One: apbs.sourceforge.net
* Participated home building through Habitat for Humanity
* Worked with NGOs in India for collaborating with them to reach rural people for branchless banking on remote Mobile / POS fingerprint Biometrics financial transaction technology.
* Working on the Faria website

**6g. Describe any involvement you have had with SJSU since graduation (recruitment, donations, attending events, giving talks, collaborating with students, etc.)**

* - collaborating with students - Collaborate and promote SJSU to soon to be transfer students - Attend SJSU alumni events - Volunteer at SJSU events such as Spartan Day - Continue to contribute to SJSU through Alpha Phi Omega Service events
* -Attended selected History of Computing lectures -Helping some alums/current students with NSF GRFP application
* Attend events in CS department
* Attended a career fair as a part of the recruiting effort for my company
* Attended Events, Collaborated with Students, Provided Internship opportunities, Provided professional recommendations
* Attended Job Fair as a recruiter.
* attended job fair once to represent current employer
* Attended SJSU job fair (working at IBM booth).
* Attending events, collaborating with students.
* Currently enrolled in off-campus SJSU MSSE program
* donated to a memorial fund. worked with board members of the game dev club on two coding projects and brought food a few times. come to cs club events sometimes
* donation
* donation
* donation
* donation.
* donations
* Donations
* I currently work at SJSU
* I have been collaborating with students
* I left bay area 6 months back. Till then I had great involvement with the students. I taught CS126 at CMPE dept as part time faculty.
* I would be willing to advise any students interested in applying for graduate Bioinformatics or Computational Biology programs
* I've attempted to recruit students for both the summer of code and our company in general for jobs and internships.
* mentored a group of students creating a mobile app when I managed the IT department at my previous company
* N/A
* NA - I had to move back to India so could not do much but always willing to help the CS dpt to prove a point & build a brand in California.
* None
* None, but open to it.
* On-campus presentation to the CmpE club in 2009 on SQL injection & XSS.
* Recruitment
* recruitment, giving talks
* Representing IBM in seminars and job fairs
* Some interaction with one of the professors at SJSU, including collaboration on a not-yet-published paper.
* Stayed involved with the CS club and helped with a few of their events.
* Unfortunately not received any kind of this opportunity. I'd love it. I have collaborated with students and given talks at my Bachelor's University in India after completing my MS at SJSU. i would like such opportunities at SJSU.
* University recruiting from Yahoo

**7a. List any certificates or licenses you have acquired since graduation.**

* ? Preparing for PMP Certification July ‘12 ? Certified Information Technology Infrastructure Library (ITIL) Foundation V3 January ‘09 ? Certified IBM Tivoli Netcool/Core V3 / Webtop January ‘09
* \* Juniper Network Certified Internet Associate \* Hitachi/Tagmastore Storage Certificate \* Symantec Certificate
* CCNA
* Certified SF Administrator Certified SF Developer Certified Scrum Product Owner
* I will complete my Project Management Certification this year
* Java Sun Certified
* Mostly would go for a patent filing.
* n/a
* N/A
* None
* None
* Planning for MCSD
* SCJP certification in Java
* Strategic Management Certificate - University of Illinois
* v9 DB2 UDB Administrator certification
* VMware Certifications/ Brocade Certifications
* VMware VCP Cisco CCNA NetApp NCDA

**7b. List any professional skills you have acquired since graduation (for example, languages or tools you learned). For each one describe how you acquired this skill (for example, self study, course, or program)**

* - C++, career - python, career - C#, career
* - Python, MPI, OpenGL via internships at Lawrence Livermore National Laboratory - Graphics/Visualization programming via graduate studies
* - VMware (self-study, hands-on experience at work) - SAN storage (self-study, hands-on experience at work) - NetApp (self-study, hands-on experience at work) - MySQL / Apache (self-study)
* ? Android Development Programmer Certificate May ‘12 ? Core Java Certificate April ‘12 My career path went from networking to management & so did not get exposure or opportunity to do coding, I had a fobia that I cannot code now that I want to come to US I started learning again but need a good opportunity to go back and learn it properly.
* \* VMware ESX, Zen Virtualization \* Cisco, Juniper Networking \* EMC, Hitachi Storage \* Multiple Linux/Unix OS System Administration \* PostgreSQL, DB2, MySQL, MSSQL Database Administration
* bash shell script, self study;
* C, C++, Knowledge about computer security
* C#, self study Microsoft .NET, CS130 Mircosoft WCF, self study XML, CS161 XSLT, self study web services, self study/CS161 SOA, self study
* DB2, related tools and languages through my work.
* Git and Gitx - self study at work
* I have learned to work in Cassandra Database, Spring technologies
* I was on a long term program at SJSU after 8 years away. I learned most everything I know that would be considered for this answer during that time frame. Multiple programming languages, theory and implementation of programming languages. Everything has been self taught.
* I've learned C++ and JavaScript as a requirement of my job by reading books.
* Japanese proficiency (self study)
* JavaScript - self study.
* jQuery - through work
* Languages: Python, R, Matlab. Skills: Latex, machine learning methods/algorithms. As a part of my graduate studies.
* LaTeX -- Crash course at UC Santa Cruz, followed by extensive use. Scala -- learned on my own. Grails web framework -- learned on my own. Probably some others, but these are the ones that I remember.
* Leadership, Program Management, Online Marketing, Email Marketing, Product Management, Embedded Firmware development, UI design... all from work experience.
* Learned JQuery, JSon and different web technologies at work.
* learned XSL, JSON, REST, and more advanced Javascript on the job
* Learnt C#, Python, Linux etc
* Learnt Javascript programming Learnt Force.com
* Linux/Unix (work experience), Android (grad course), Apache Cassandra (work experience, grad course), Hadoop (grad course)
* MATLAB - self study, course Finite element analysis - course Python - self study
* mysql - learned at work linux familiarity - from work gamemaker coding - from hobby work
* N/A
* None
* Perl - self study for job
* perl php mysql security breach findings, finding piis
* perl, UNIX scripting, PHP, AJAX, JavaScript, basically languages companies want of which none are emphasized at SJSU
* PHP - Self learned / work Unix - Courses @ De Anza / work Project Management - De Anza Risk Management - De Anza Outsourcing Procurement - De Anza Managerial Accounting - De Anza Setting up Web Server / Host - Self learned Magento Framework - Work Drupal Framework - Work Zend Framework - Work GIT - Work Subversion - Work Setting up and configuring Tomcat - Work Microsoft Project - De Anza Adobe Flash / Actionscript - Work Adobe Photoshop - Work / Self learned Apache 2 - Work / self learned Agile - Work YUI - Work JQuery - Work Basecamp - Work Campfire - Work Rally - Work
* PHP - self study Javascript - self study Actionscript 3 - self study
* PHP MySQL Javascript CSS I've picked up a ton of stuff on the job but those are the core things I use most often.
* php, perl -self study
* PL/SQL class. Salesforce.com configuration and APEX language self study. Informatica class.
* Professionalism, Office meeting etiquette workshop, Python, Smartphone development, Web n Security talks through Self Study, meetups/seminars at IT Companies in bay area.
* Python (self study) MongoDB (self study) VMware Enterprise products [ESXi] and how to program/instrument them (self study) Web Malware Research (self study)
* python, objective c, javascript (self-study)
* python, php , linux, apache, objective-c , chef , devops
* Real-time OS Computer Networking Programming debug skills Involvement with customers
* Requirements analysis (on-the-job) Schedule/resource management(course, on-the-job)
* SASS, ExtJS, Google Closure, HTML5, Advanced Javascript, Python, (all self study)
* self study Python, Linux.
* Self study: PHP, Javascript/JQuery/JSON/YUI, Node.js, GIT, HTML5/CSS3, Apache, PHPStorm, SOAP/Rest, Amazon EC2 Cloud,
* self study: C++, JavaScript, GLSL program: physics-based animation and technical character animation course: Houdini, Maya, Nuke, RenderMan
* Software Reverse Engineering Algorithms Cryptography
* Spring, Hibernate, SoapUI, PHP, JavaScript, etc. All through work.
* Teradata, MS SQL Server, etc.
* Unit testing - self study Data Bases - self study ANT - self study
* Working on business AS at WVC. Various software engineering process tools (JIRA, git, e.g.), Python, GPGPU technologies by self-study.
* xquery/xpath

**9**. **Any suggestions on how we can improve our program? Criticisms? Compliments? Comments?**

* - I wish I had had time to take compilers. Not only does it appeal to me, it is a pre-requisite for one of my requirements. - I didn't count any publications where I am not first author (1, +3 submitted) or that were submitted while I was at SJSU (1). - Maybe some students would benefit from some alumni in industry offering mock interviews either with students or in-front of students as a role-play.
* (repeat answer here) Career advancement is up to the students after they've been in the field. SJSU can help them best by helping to get their careers started successfully. Have the students work with newer technologies, eg JQuery-based stuff or Python. No one has a huge amount of experience in this stuff; but the SJSU CS graduates are competing for jobs with people who have many years of experience in Java (the college's main language). Also, my main weakness as a CS graduate is a lack of Linux/Unix experience. The Unix class (which I didn't take) is not enough to solve this problem. The college could solve this by changing the dev environment used in existing classes instead of requiring new classes.
* 1.CS dept should offer courses related to Testing and Mobile application development so that students don't need to go to other dept. to learn technologies related to above area. 2. Most of the projects in CS are individual projects. There should be more group projects so that students can have experience of working in a team.
* A lot depends on the students, their motivation, etc. If students are willing to learn, explore new technologies, nothing can stop them to succeed in the industry. I'm glad I completed my CS degree at SJSU even though it was very tough at times. But I think working for in the industry is more fun.
* Again, make the students be more involved with programming component of the classes. This is the main differentiator I found when compared my BS program at Cal Poly with the MS program at SJSU. Having a strong programming components added to each and every class makes students' life much more harder thus letting them gain lots of confidence before stepping in to the workforce.
* already commented in previous sections.
* Computer Science program at SJSU is awsome program, I am proud to be part of it. It will be really helpful is some courses are offered which are latest and used by market. Thank you! Proud to be from CS, SJSU :) Namrata Buddhadev. namratabuddhadev@gmail.com
* CS department needs more teachers, more course options, and more exposure for sure. The department office was not too friendly either. I don't know about now but back when I was a student it was tough to get around them to get things done. But there are some great teachers and fantastic courses...they should continue! CS rocks!
* Do a better job screening your professors. From my experience approx 25% were excellent profs 25% were good enough or second-rate 25% did it for the paycheck, showed 0 interest in teaching, undermined student intellect, or took pleasure (read abused) in being in a position of authority 25% had no business teaching, or had serious moral ineptitude, and one was borderline retarded (thank god you canned him... but not before I was able to experience his atrocious attempt at teaching Computer HW)
* During my academic career in SJSU, 2003~2007, the CS program was mainly centered around software development. There were some courses on other fields of CS (Web Development, Networking, Database Design), but not nearly enough to provide decent knowledge of any of them. Even software development itself was focused too much on OO languages, esp. Java; there was not enough variety of programming languages courses, not to mention that Web Development, which also is a kind of software development, was scarcely represented. Furthermore, the curriculum had a very narrow focus on technicalities of writing the code, without sufficient consideration for elicitation of requirements for that code, project planning, the whole cycle of creation and subsequent improvement of the software product. All those aspects of product life cycle, as well as knowledge of other aspects of infrastructure that the code interacts with are vital for a successful CS professional. I have met too many students over the course of my studies in SJSU who could easily write code in Java but could not configure MySQL server that their code was supposed to interact with. I had to acquire most of that knowledge on the job, and I really wish I had learned as part of the CS program. I sincerely hope that the situation has changed since my graduation.
* Either get new teachers that embrace new and changing technology and trends or get rid of the ones who don't. I do have to say the current chair is going in the right direction in trying to help CS students become more social with mixers, etc. I feel the CS club needs to do more activities that improve their craft and less time playing Minecraft and League of Laughs.
* Form more activities, hackathons, prizes, competitions inside SJSU, more attractive open projects and cool surprises
* give opportunity to work as a intern in silicon valley bring student current needs in valley and prepare them to resolve imp problems
* Hire younger professors with passion, enthusiasm, and the ability to communicate well. Focus on fundamentals. Learning efficient algorithms is not sufficient. How computers work and how bits are moved/stored is equally important when it comes to optimization (a majority of time spent on the job IMHO). Don't underestimate the value of teaching in the right language. Teaching only Java did me no favors in the real world. C++, while more difficult to learn, helped me understand the fundamentals of language paradigms and memory management more than any class did.
* I am grateful for the education from SJSU. Thanks to the Career Center for helping me land my first professional job!
* I am satisfied with most of lower computer science classes I took. For example CS46A, CS46B, CS151, CS152. I found here are the list of classes that need to be improved: Database, Networking. I didn't get anything out of Networking class. I really think we need to change professors. We should have more design classes, talk about patterns, etc. I found CS151 and CS152 are very useful class. It is very close to what I have worked in a big organization. Usually lots of interview questions are came from these classes. -Linh
* I believe there needs to be more focus on the non-technological side of the degree program, such as: communication, teamwork, presentation skills, all things that learning how to code don't teach you. I think Computer Scientist (and Engineers) get a bad image of just developing all day and not being able to communicate effectively the things they are developing and designing
* I hate Java, but reluctantly it's going to be part of our culture for a long time. But there are many better languages out there for teaching programming fundamentals, and I think Python is one of the best. I think the department has some lofty goals, but when I see most code that I run across, I wish people spent more time getting their head around the basics: 1. code with readability in mind, 2. document well 3. split your code into pieces that perform a function or act as objects, depending on what the situation requires 4. design patterns were great, that was one of the most important classes I took at SJSU, and I wish I remembered them better because they're still useful. Ultimately, I think if you have a degree in computer science, you'd better be able to DO computer science.
* I personally do not live Java. All the jobs I am currently looking into involve experience in C and I do not feel like I can meet those needs. I am very knowledgeable about the theory of computer science which I believe is because of the background I learned in school.
* I really enjoyed the program at San Jose State and constantly recommend it to others thinking about careers in computer technology.
* I really like Masters program in COmputer SCience at SJSU.My only suggestion is to give more challenging programing projects as Home works which helps students prepare for the real world coding
* I wish the CS dept had better infrastructure - Computer labs for students to work - Dept open 24hrs + weekends to allow students to study outside home. - Fast internet connection (especially during Finals) - CS Office could have an online system to submit all forms. Right now, we have to take one day off from work and come to the dept to submit some form, for example, applying for Graduation. In my case, I work in San Francisco and I have to wait till 9AM for the office to open. - Else, have early office hours (8AM) once a week to help students who are working. - Apart from these issues, I think our graduate curriculum is good. Students immediately get jobs, which is a very good sign. Thanks for everything!
* I would like to thank the CS department for the practical projects (course work and masters project). They were very useful in creating a strong foundation to solve a problem. Thanks to all the Professors and all the staff. I would suggest the CS department to increase the number of courses offered in Spring. Most of the courses of my interest were in Fall.
* Increase support for students aiming for an academic career. Make students more aware of publication and presentation venues and encourage student to pursue opportunities for academic publications.
* It is a great program because it provides a great foundation for Software Engineers through the various electives offered. The professors are very knowledgeable. It would be nice if every course were offered every semester instead of following a "course offering pattern", but I realize that budget is an issue.
* It would be nice if students could learn material that Employers are looking for. I had to study outside of school in order to get skills that employers seeked.
* It's a very good program. I would have liked to spend more time learning about frameworks (struts, spring etc...) Both in terms what they offer, how they work and how to use them. Also of value would be a UI design class. For.DB technologies, it would be valuable to learn about topologies such as Star schema, snowflake and enterprise data warehousing.
* Like I said in one of the other questions, I felt that SJSU CS program does provide enough foundation in algorithms and data structures. Unless you take a graduate course, which most undergrads don't take, students get away with very little understanding of algorithms and data structures. Students also get away with very little mathematical foundation. I believe there should be more emphasis on those areas. Some of the required courses in the CS program can be made optional (e.g. OS, Philo134) and some courses should be required (Design and Analysis of Algorithms, Combinatorics). Also, the program would benefit from a machine learning course.
* Make students priority and get rid of useless classes. At best, most SJSU students can only get internships. Concentrate on teaching marketable subject classes instead of all theory. Have more helpful advisors versus the ones currently staffed that could not make it in industry.
* Make sure students are introduced to SVN earlier.
* More emphasis on writing more modular/testable/efficient code
* More practical, real-world focus of courses is needed. Most all job skills I learned on the job instead of in the classroom.
* My general view of the program is probably skewed in a goofy way because while I was in it I was basically preparing for grad school then ended up going off to work immediately instead. That being said, I think getting students to build stuff (particularly stuff they can show their friends and be proud of) is the most valuable thing as far as professional success. If they internalize the feeling that they like making things they can pick up the details like using a database, designing a web page, etc. on their own.
* Need better teachers, The education being offered by some tenured professors is borderline theft. SHSU CS has the opportunity to be a world leader in CS programs and yet it is not. CS leadership needs advancement.
* Overall the SJSU masters program was good. I think the databases course, algorithms, and software design courses were very useful. Thanks.
* Please make the program current. Ensure you are teaching latest programs and techniques used and respected in the valley. Ensure practical and instantly usable skills. Less theoretical and more emphasis on practical concepts Introduce Analytics, Distributed Computing such as Hadoop, Programming for various devices such as mobile, TV etc Involve the industry to strengthen the internship and funding making the CS dept the forefront of breeding top notch practical SW Engineers.
* Should have more professors to choose for database course.
* SJSU seemed like a turning point for me. It sent me off in a new direction that I had not expected. It enriched my life and my career, and I am very grateful to the university and the professors that taught me.
* Students need to write a lot more code. Having known a lot of undergraduate SJSU students, it seems like they have better problem solving ability compared to a lot of the Masters students.
* Suggestions: 1. I have already mentioned few on them in earlier pages of this survey forms. 2. Please improve CS Dept website to match professional standards. Each page is different. No same CSS/ Theme throughout the department web pages! Criticism: The CS Dept front office staff (only few of them, not every one) are very rude and unfriendly to students' needs and time deadlines. One can get unrealistic responses, unsatisfying doubt solutions for certain simple things or delay or unwanted robustness (or roughness, you may say); may it be form submission, registration, doubt clearing talks or for whatever a CS Student needs to visit that SMALL WINDOW at CS DEPT OFFICE! Compliments: But I appreciate by heart and thank god that former chair Dr. Louden was and Dr. Pearce is there to actually understand and help students for their genuine needs, crucial times, but not the front office staff.
* The bachelors course is awesome in SJSU CS, try to make the Masters course close to that for international students, who come in directly for the Masters program. Because they have not been exposed to that kind of quality.
* The database class with prof Sin-Min Lee was the worst class I've ever taken. I don't understand why he's still working there. He was completely incomprehensible, and the class had to learn most if not all of the material by themselves. All the other professors were great though.
* The most difficult part of teaching Computer Science seems to be that many students do not have the passion required to do well in the subject. This passion should be brought out in students early (if possible). It will make them want to learn the material and make their college experience all the better.
* The program needs complete re-evaluation and likely a new approach. The job market I see is not what SJSU was preparing me for. If I had not spent years doing contract work before and while attending SJSU and honing skills outside of school I would not be where I am today. There are too many other schools whose students come out with all of the skills that SJSU does not touch that make for better job candidates. There are \_SOME\_ excellent staff at SJSU, like Dr. Beeson and Dr. Chun, but many others appear to be devs who somehow decided to go into teaching, and it shows. I believe that can be fixed by taking the curriculum and grading rubrics out of their hands and unifying it across the department and across semesters. Then there's the topic of Debra Caires who teaches a technical writing course that has little to do with technical writing... SJSU's CS program has \_MANY\_ deficiencies, but it can be rectified through 2-3 semesters of intense work by the staff. It will take strong leadership, but that is what it will take to make SJSU's CS program a source of quality talent.
* There should be a wider focus than just Windows and Java. Upper Division classes explore more relevant technologies, but there's not enough emphasis on Linux, C, or the newest technologies.
* This might be different now. When I was there (more than 10 years ago), the weight was more on theory than on practical exercise. I wish that the department could emphasize more on hands on experience.
* To be fair I'm answering these questions as a normal graduate would based on the skills I believe I would have based on no outside work at all during the time I was working on my degree. There seems to be a lack of education in the foundations of computer science at the school and more attention paid to the vocational aspects. Personally, I think the separation of the Math department from the CS department was a disadvantage to the students. I mourn the removal of the declarative programming class from the curriculum and have hope that the compiler and programming languages courses will improve soon. I would absolutely love to chat with the department about ways to improve the curriculum and ways I could help. I've seen the program over a great many years (since 1994) and have been in industry at both Red Hat and Apple since 1997. I would be more than happy to donate my experience and knowledge in the field to the program.
* We need to modernize the website, and the curriculum. Some of my best teachers were Dr. Jon Pearce, Dr. Chris Pollett, Dr. Cay Horstmann, and Marty Froomin. These professors should be allow to modernize the curriculum. I go through a few phone screens per week, along with an in-person interview once or twice a week. And SJSU students, especially in the Masters program are consistently not up to par. University of Waterloo, Canada, has an amazing internship program where they push their kids into an internship every quarter. We are consistently getting some amazing interns out of Waterloo every quarter, and we typically extend offers to some for full time employment. I would love to see a program like that at SJSU. We have so many amazing companies in the South Bay who recruit from Waterloo, simply because the CS kids at Waterloo have so much exposure to so many different cutting edge technologies. Thanks for collecting feedback, and good luck! Muddsar Jamil
* We often worked in teams, which gave experience in working with others, but received absolutely no training on how to effectively work with team members, or how to manage conflict, how to schedule productive work, etc. We often did group presentations, but again received little or no training on how to present. No one got better as we did this over and over again. "Ability to analyze the local and global impact of computing on individuals, organizations, and society" I don't recall any professor talking about this any deeper than surface level. We were often rewarded for "gold-plating" which does not happen in the real world. Our productivity is based on our ability to meet requirements in the minimum amount of time (making the product more affordable & profitable). No professor mentioned this, and attempting to do this would probably be called out as "trying to do the minimum to pass". Affordability is only becoming more common.
* We're looking to run a programming contest next year at SJSU and will be contacting you to work toward setting it up... :-)
* When I was applying to grad school I think I would have really appreciated it if there was a directory of SJSU CS alumni who were willing to offer advice or answer questions. I know at least several people including myself who wouldn't mind giving their email out to something like that.
* Yes get teachers like Professor Lee out!!! HE failed me b/c he thought i was cheating and there was no argument , it was unjust and stupid senile decision on his part. Have students pick their career path early on and let them take courses related to that career path. IE. if they want to become proficient programmers, let them take a set of courses that teach them that, or if they want to go into automation, let them take courses to learn automation tools like Selenium. And make a UNIX basics course mandatory as every CS related job requires it, NOT Froomas course but one where you simply learn UNIX commands and lite Unix scripting.