

**San José State University**  
**Computer Science Department**  
**CS190/190I, Internship Project, Section 2, Fall, 2018**

**Course and Contact Information**

Instructor:	H. Chris Tseng
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Email:	chris.tseng@sjsu.edu
Office Hours:	Fri 4:30 – 5:30 PM and by appointment or email
Class Days/Time:	Fri 1:30 – 2:45 PM (190)/ 1:30 – 4:30 PM
Classroom:	MH 222
Prerequisites:	CS 146 (with a grade of "C-" or better) or graduate standing, selection by a company, and instructor consent

**Course Format**

**Technology Intensive, Hybrid, and Online Courses**

This course will be conducted in the form of collaborated and interactive manner. We will meet both in-person and online. In addition to career and job preparation guidelines from the instructor, students will share their related info for peer learning purpose.

**Faculty Web Page and MYSJSU Messaging**

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on [Canvas Learning Management System course login website](http://sjsu.instructure.com) at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through [MySJSU](http://my.sjsu.edu) at <http://my.sjsu.edu> to learn of any updates.

**Course Description**

**Catalog description:** Work on an approved semester-long paid project at an industrial site. Meet once per week on campus. Progress reports, oral presentations, final report, and evaluation by project supervisor will be used to demonstrate the acquisition of skills identified as goals prior to the start of the assignment. (See prerequisites description on top of this page)

**Course Learning Outcomes (CLO)**

Upon successful completion of this course, students will be able to:

- (a) An ability to apply knowledge of computing and mathematics appropriate to the program's student outcomes and to the discipline
  
- (b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution

(c)An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs

(d)An ability to function effectively on teams to accomplish a common goal

(e)An understanding of professional, ethical, legal, security and social issues and responsibilities

(f)An ability to communicate effectively with a range of audiences

(i)An ability to use current techniques, skills, and tools necessary for computing practice.

(The above learning outcomes are provided by ABET (<http://www.abet.org/>) for CS program under the URL <http://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-computing-programs-2018-2019/#GC3> Related learning outcomes for CS190/190I are listed above.)

## **Required Texts/Readings**

### **Textbook**

No textbook needed. Class material will be posted on Canvas account under <http://sjsu.instructure.com>.

### **Additional Readings**

A list of additional readings will be provided on the Canvas page associated with this class under <http://sjsu.instructure.com>.

### **Other technology requirements / equipment / material**

You will be required to have a wireless-network ready laptop computer to participate in the class. You will also need to use your own laptop with wireless access to submit your assignment inside SJSU campus. Your laptop needs to have wireless capability and you need to register a free wireless account at <https://one.sjsu.edu/>. The instructor is not responsible for providing either laptops or alternatives.

## **Course Requirements and Assignments**

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

### **a. Resume, cover letter, and online portfolio:**

You will create or improve your resume, cover letter, and online portfolio. Selected students will present their profiles in class for improvement feedback.

### **b. Interview questions:**

You will share both behavior and technical questions from your prior interview. Selected students will present their interview questions for improvement feedback.

### **c. Take home coding challenges:**

You will share your prior take-home coding challenges from your prior interview. Selected students will present their take-home technical challenges for improvement feedback.

d. Presentation:

Each student will present once on one of the following subjects:

*(190I students will present three times on three distinct topics of the following subjects)*

Cover letter, Resume, LinkedIn profile, Personal online portfolio, Interview behavior questions, Interview technical questions, or Take home coding challenge.

e. Tentative course exam and HW due dates:

(Please note that this is subject to change with fair notice.)

HW: There will be around 7 assignments on items (a)-(c) above.

Final revised professional portfolio package (portfolio, resume, and cover letter) due: (Per SJSU final schedule)

12:15 PM Wednesday, December 12, 2018

**Final Examination or Evaluation**

The final will be based on your revised portfolio package (cover letter, resume, online portfolio) and evaluation from your manager.

**Grading Information**

Grades:

Initial resume, cover letter, and portfolio (on time submission in correct format/active participation)	15%
Interview questions(on time submission in correct format/active participation)	15%
Take home coding challenges(on time submission in correct format/active participation)	15%
Presentation(in-class presentation of topics on portfolio, interview questions, or coding challenges)	15%
Final evaluation by your manager	20 %
Final revised portfolio package	20 %

**Determination of Grades**

Grades will be assigned as described below. These intervals, however, may change (i.e., either way!) according to the performance of the class as a whole. C- is a passing grade.

- A: [ 93, 100 ]
- A-: [ 90, 93 )
- B+: [ 87, 90 )
- B: [ 83, 87 )
- B-: [ 80, 83 )

- C+: [ 75, 80 )
- C: [ 70, 75 )
- C-: [ 65, 70 )
- D+: [ 60, 65 )
- D: [ 55, 60 )
- D-: [ 50, 55 )
- F: [ 0, 50 )

### **Classroom Protocol**

You are expected to attend classes. If you cannot attend, it is your responsibility to get a copy of the lecture notes and class announcements from a reliable classmate. The instructor reserves the right to ignore frivolous or inappropriate e-mail inquiries. Students are expected to participate actively to provide improvement to presentations by other classmates.

### **University Policies**

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>. Make sure to review these policies and resources.

## CS190/190I, Internship Project, Section 2, Fall, 2018 Course Schedule

*The schedule is subject to change with fair notice emailed to students.*

### Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
1	8/24/2018	Introduction (what to do and expect in this course)
1		
2	8/31/2018	Cover letter: facts; tips; format; What are hiring managers looking for?
2		Presentation of cover letters from selected students
3	9/7/2018	Job search techniques: What employers are looking for; local job market; how people get jobs; networking; how to build a trusted networking
3		Presentation of resumes from selected students
4	9/14/2018	Resume: Key resume content; layout and design; Review and revise
4		Presentation of resumes from selected students
5	9/21/2018	Develop your brand: brand statement and its purposes; your story
5		Presentation of LinkedIn profiles from selected students
6	9/28/2018	Portfolio: why need one; portfolio essential; what to include; tips; how to; examples; blogging
6		Presentation of LinkedIn profiles from selected students
7	10/5/2018	Networking: What your LinkedIn profile should have; getting the most out of LinkedIn; Networking online; in-person networking
7		Presentation of personal online profile from selected students
8	10/12/2018	Preparing for interview: behavior questions (sample questions; how to respond)
8		Presentation of behavior questions from selected students
9	10/19/2018	Preparing for interview: best practices
9		Presentation of technical questions from selected students
10	10/26/2018	On-site interview: S.T.A.R. technique
10		Presentation of technical questions from selected students
11	11/2/2018	Interview: what follow up questions to ask; thank you notes
11		Presentation of take home coding challenge problems from selected students
12	11/9/2018	Post interview: salary negotiation(why negotiate; consider the whole package)
12		Presentation of revised portfolio package by students
13	11/16/2018	Presentation of revised portfolio package by students

<b>Week</b>	<b>Date</b>	<b>Topics, Readings, Assignments, Deadlines</b>
13		
14	11/23/2018	Thanksgiving Holiday
14		No class
15	11/30/2018	Presentation of revised portfolio package by students
15		
16	12/7/2018	Presentation of revised portfolio package by students
Final Exam	12:15 PM Wednesday, December 12, 2018	Submission of revised portfolio package and manager evaluation (direct from your managers)