

San Jose State University Research Foundation

Position: Research Associate (Automated QA Tester)

DEPARTMENT:	Research will be done under the offices of the Psychology Department at Jose State University
IMMEDIATE SUPERVISOR:	Project Director, NASA program
POSTING DATE:	6/5/2019
CLOSING DATE:	Posted Until Filled
SALARY:	Negotiable based on experience, DOQ/E Full time Excellent Benefits
EXEMPT STATUS:	Exempt

GENERAL NATURE OF POSITION:

Do you want to help support NASA's missions, but don't want to go through astronaut training camp? Do you like making a difference in the world and help progress the vision of NASA? We are a group of developers and designers working in contract with NASA under the Human Computer Interaction (HCI) Research Group to make Mission Assurance Software. We work for the San Jose State University Research Foundation in a partnership with NASA through grant funding. The research is centered on the development, design and testing of next-generation mission ground-systems for NASA's space explorations missions. You will work with people across NASA, hear about upcoming missions and how we help support them.

In this position, you will learn our software and structure tests to help identify bugs and provide consistency in the user experience. You are ideally someone who is passionate about quality of work and automation of all things. You will get to work closely with product owners, designers, and developers to ensure bugs are documented and resolved properly. This is a great learning opportunity and a way to become a team player at NASA!

Our work environment is very open, collaborative and welcoming to others. We are a diverse and tight-knit team who enjoys off-site team building events and activities. We believe that having a comfortable environment for everyone is important! Our team values a healthy approach to the workplace, from providing adjustable desks to maintaining a balanced work-life schedule. You will contribute to our wide diversity of skills and incorporate new ideas into our environment

ESSENTIAL DUTIES & RESPONSIBILITIES:

- 1) Write and execute specific automated test cases based on input from product owners and developers.
- 2) Document bugs identified from automated cases as well as pre-release and post-implementation tests.
- 3) Collaborate with other team members to ensure the software development lifecycle is being followed.
- 4) Mentor peers on writing automated test cases and best practices to maximize efficiency.
- 5) Construct automated tests through a CI/CD pipeline.

- 6) Create, improve, and maintain UI/API test automation frameworks for web applications.
 - 7) Set test automation standards, deliver test metrics from automation efforts.
 - 8) Other duties as assigned.
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QUALIFICATIONS:

1) Education and Experience

- a) A Bachelor's degree, or equivalent experience, in a technology-related field is required.
- b) A minimum of three years direct experience supporting an automated testing environment and writing your own tests is preferred.
- c) At least one year of experience using CI/CD tools such as Jenkins or Bamboo.
- d) At least one year of experience creating automated test cases.
- e) At least one year of experience establishing frameworks from the ground up.
- f) Experience using Linux for server-side testing, at least one year preferred.

2) Knowledge, Skills and Abilities:

Required

- a) Ability to use Selenium Web Driver.
- b) Knowledge and understanding of HTML, CSS, and XML.
- c) Ability to test frameworks such as JUnit, TestNG.
- d) Use of code repositories for sharing and editing of scripts.
- e) Ability to use bug tracking tools such as JIRA.

Desired:

- a) Knowledge of basic SQL.
- b) Ability to use Performance tools, such as JMeter.
- c) Some Javascript experience is a plus.
- d) REST API scripting.
- e) Knowledge of Splunk as tool for identify quality issues, at least one year preferred.
- f) Knowledge of unit and performance tests, at least one year preferred.

3) Physical requirements

- a) Occasional travel to other NASA sites may be required.
- b) Flexibility to work altered schedule to correspond to major deployment times (This is very minimal/infrequent); may require some infrequent later or earlier days.
- c) Located at NASA Ames Research Center. Therefore, the employee must meet security qualifications for entrance to the Center, including an Agency background check.
- d) Employee must be a US citizen or Permanent Resident.
- e) The location is equipped for full accessibility.
- f) This is a local position on –site at Moffett Field and not a remote position.

4) Complexity of Duties

Exercises independent judgment in the management and completion of a diverse set of tasks.

5) BENEFITS:

The comprehensive benefit package includes:

- a) Nine Health Insurance Plans to choose from
- b) Free dental and vision for employee and family
- c) Paid Federal & State Holidays
- d) Retirement Plan: 403 (b) employee contribution plan component and a 403 (b)

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- employer contribution component
- e) Vacation and separate sick plans
- f) Employee Discounts
- g) Paid Training and Conferences
- h) Increases based on merit (performance)

INTERPERSONAL CONTACTS: Reports to the NASA Project Director. Interacts with NASA Ames civil service and Foundation research staff, including student assistants, on a daily basis. Works daily with the on-site design, QA, and development teams at NASA Ames.

SUPERVISORY RESPONSIBILITIES:

No formal responsibilities, though will be called upon for advice and direction by others.

APPLICATION PROCEDURE

To apply for this position, an applicant must submit a formal application for employment, as well as a resume and a cover letter. The applicant may do this via e-mail or by regular mail. The formal employment application is located at

http://www.sjsu.edu/researchfoundation/open/Employment%20Application%20Form_new.pdf

It may also be obtained from the Research Foundation through its web site at

<http://www.sjsu.edu/researchfoundation/open/index.html>.

An applicant may also apply in person by visiting the Research Foundation, located at 210 North 4th Street, 4th Floor, San Jose, CA (corner of St. James and North 4th Streets). Please address your formal application, your resume and your letter of interest directly to:

San Jose State University Research Foundation
Attn: HR/Job Code RA (Automated)
210 North 4th Street
San Jose, CA 95112
E-mail: foundation-jobs@sjsu.edu

Reasonable Accommodation:

The San Jose State Research Foundation is committed to providing access, equal opportunity and reasonable accommodation for individuals with physical or mental disabilities in the employment, recruitment, examination, hiring and interviewing processes. If you are a job seeker with a physical or mental disability and require a reasonable accommodation to search, apply, or interview for a job opening or otherwise need a reasonable accommodation during the application and hiring process, please contact us at foundation-jobs@sjsu.edu. In the email message, please indicate your full name, phone number and the type of assistance required. You must not reveal the underlying medical reason for your needed reasonable accommodation or otherwise disclose confidential medical information. You may also call (408) 924-1400 from 8:00am to 5:00pm (PST), Monday through Friday, excluding holidays, to get assistance.

The Research Foundation provides excellent benefits package to benefited employees. Please visit <http://www.sjsu.edu/researchfoundation/humanresources/benefits/index.html> to get more details.

Research Foundation employment is separate and distinct from San Jose State University or State of California employment. Research Foundation employees are not employees of either SJSU or of the state of California.

The San Jose State University Research Foundation (SJSURF) is a non-profit auxiliary of San Jose State University. SJSURF is totally self supported. The majority of the organization's funding comes from the

federal government, and other public and private entities. With annual revenues totaling over \$65 million, programs managed through SJSURF cover a rich diversity of applied research, public services, and educational related activities.

SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION is an Equal Opportunity Employer and does not discriminate on the basis of race, color, creed, gender, religion, marital status, registered domestic partner status, age, national origin, ancestry, physical or mental disability, medical condition, sex, genetic information, sexual orientation, military and veteran status or any other consideration made unlawful by federal, state, or local laws. It also prohibits unlawful discrimination based on the perception that anyone has any of those characteristics, or is associated with a person who has or is perceived as having any of those characteristics.

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the SJSURF. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current SJSURF employees who apply for the position.

