



Regina Xu

rxu13@berkeley.edu | (408) 660-0687

 <https://www.linkedin.com/in/reginax> |  <https://github.com/reginax>

EDUCATION

University of California, Berkeley

Bachelor's Degree in Computer Science

Expected May 2018

- Relevant Courses: Algorithms, Artificial Intelligence, Discrete Mathematics and Probability Theory, Linear Algebra and Differential Equations, Machine Structures, Data Structures
- Activities: CS61A Reader; Computer Science Mentors Senior Mentor

SKILLS

- Working proficiency with Java and Python; familiar with Ruby on Rails, CSS, SQL, JavaScript
- Git, Eclipse, LaTeX, Django

WORK EXPERIENCE

UC Berkeley Research IS&T

Berkeley, CA

Software Intern

06/2015 – Present

- Implemented improvements and bug fixes to the Collection Space web applications with Django and JIRA
- Created automated tests for the web applications using Capybara and Cucumber
- Integrated Google Analytics tracking on the various Collection Space web applications

Berkeley Evaluation and Assessment Research Center

Berkeley, CA

Undergraduate Research Assistant

02/2015 – 05/2015

- Executed manual test cases for an educational assessment web application
- Tracked result of testing web application features on Smartsheet
- Logged and verified defects using Axosoft “OnTime”, a project management and bug tracking system

COURSE PROJECTS

FarmVillage (<https://github.com/reginax/proj2>)

BootStrap, Ruby; Ruby on Rails DeCal SP '15

- Created a Web Application using Ruby on Rails and gems including gritter, simple_form, and Devise
- Integrated Bootstrap and learned basic HTML and JavaScript for the views

Autocomplete

Java, JUnit; CS61B SP '15

- Implemented the Autocompletion feature (including topMatch and topMatches) for a given set of terms
- Utilized generics and data structures (mainly a Ternary Search Trie and priority queue)

Gitlet

Java, JUnit, I/O Streams; CS61B SP '15

- Created a smaller-scale Git system with underlying HashMap and LinkedList data structures
- Implemented file serialization and manipulations, and optimized methods under runtime constraints

NGramMap

Java, XChart, Princeton Standard Library; CS61B SP '15

- Created a package containing various data structures and a UI that graphically displays the history and frequency of words in text files
- Integrated data structures (both existing and self-created classes), generics, packages, and JUnit testing

Scheme Interpreter

Scheme, Python; CS61A FA '14

- Implemented an interpreter for Scheme in the Python language
- Integrated functional programming concepts and test-driven development