Emily Zhang

emzhang.me

2524 Dwight Way
Berkeley, CA 94720
(408) 718-7126
e.zhang@berkeley.edu

EDUCATION

University of Berkeley, California - *B.A. Applied Mathematics 2018 (expected), minor in Computer Science*

SKILLS

Python (Flask), Java, Javascript, HTML/CSS, SQL/MySQL, Photoshop, Illustrator, Git, C, MIPS, API Integration

PROJECTS

hungrytext *(Python Flask, Heroku, Twilio, Google Maps API, Yelp API)*

Personal project. A Heroku app that replies to texts containing a location with directions to the nearest In-n-Out.

Gitlet *(C)*

School project. A version control software with that restricts the contents of commit messages.

COOL Compiler *(Java)*

A really cool (haha, get it?) semester-long school project that involved writing a lexer, parser, semantic analyzer, and code generator to compile COOL (an object-oriented language developed for the classroom) into MIPS.

Resume Builder *(HTML/CSS, Javascript, Parse)*

Hackathon project. Built a website with backend that allowed users to login and upload information to create a resume that could be printed out with different templates.

shell.c *(C)*

School project. Implemented my own shell with program execution, signal handling, input/output redirection, and terminal control capabilities running on top of PintOS.

EXPERIENCE

QA Engineer, Berkeley Residential Computing *(Summer 2016 - Present):*

Building automated tests, replacing and supplementing legacy manual click tests. Integrated with pre-existing JIRA and TestUnit systems. Supporting WebTMA migration with configuration management and database testing. Communicating with clients and contractors to analyze business requirements and use cases for new projects.

Web Developer, Hydrangea Designs *(2011 - 2012)***:**

Led a team developing websites for high school clubs and organizations. Communicated with clients to discover needs and organize design team.

RELEVANT COURSEWORK

Data Structures, Discrete Math and Probability, Structure and Interpretation of Computer Programs, Algorithms, Linear Algebra, Machine Structures, Intro to Database Systems, Intro to Artificial Intelligence, Programming Languages and Compilers, Operating Systems and Systems Programming