EMILY ZHONG

(408) 431- 4327 | emily.zhong@berkeley.edu | emilyzhong.github.io

EDUCATION

University of California, Berkeley August 2016 – May 2020
B.A., Computer Science and Cognitive Science
GPA: 3.947 /4.0
Relevant Coursework: Algorithms, Data Structures, Discrete Mathematics and Probability, The Structure and Interpretation of Computer Programs, Website Design, Linear Algebra

SKILLS

Programming | Java, Python, JavaScript, HTML, CSS, Swift, Scheme
Design | UI/UX, Adobe Illustrator, Photoshop, InDesign, Lightroom, Experience Design

EXPERIENCE

Google | Engineering Practicum Intern May 2017 – August 2017
- Designed and implemented front-end analytical features for Google's internal data visualization tools using JavaScript, AngularJS, and CSS
- Participated in Google's Engineering Practicum program, a selective 12-week internship directed towards first and second-year undergraduate students in historically underrepresented demographics

The Daily Californian | Projects Developer September 2017 – Present
- Create interactive data visualizing web applications that addressed campus and city-wide issues and events
- Scrape and parse data from online sources using Python, with design and implementation done through Adobe Illustrator, JavaScript, and d3

CS 98/198: Website Design | Instructor January 2017 – Present
- Teach and develop front end website design curriculum to class of 120 students with lectures and assignments on HTML5, CSS3, jQuery, UI/UX, and visual design theory

Cal Hacks | Diversity Director September 2017 – Present
- Plan annual largest student-run 72-hour hackathon for over 1500 hackers at UC Berkeley
- Spearheaded Cal Hack's diversity initiative by establishing a pilot program with team building workshops and mentors aimed towards introducing new hackers to the hackathons

UC Berkeley College of Engineering | CS61A Tutor August 2017 – Present
- Mentor two groups of four students through weekly tutoring sessions focused on Python and the introductory CS course curriculum throughout the semester
- Host office hours and contributed to course logistics including exam grading and additional review sessions

PROJECTS

BearMaps April 2017
- Programmed the back-end of a web mapping application of Berkeley, CA that supported features such as image rastering at different zoom levels, autocomplete location search, and route mapping

Database March 2017
- Implemented a database using Java that parsed queries modeled after SQL operations such as conditional statements, column operations, table joining, column select, file loading, and file saving

Scheme Interpreter November 2016
- Developed an interpreter for functional programming features of Scheme using Python. Included lexical scoping, dynamic scoping, and tail recursion