

# EMILY ZHONG

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**EDUCATION** **University of California, Berkeley** August 2016 – May 2020  
B.A., Computer Science and Cognitive Science  
GPA: 3.961 /4.0  
*Relevant Coursework: Algorithms, Data Structures, Discrete Mathematics and Probability, Website Design, Linear Algebra, Artificial Intelligence\*, Computer Architecture \* (\* In progress)*

**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 address 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 100 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 contribute to course logistics including exam grading and review sessions

**PROJECTS** **Where We Cry** | [https://emilyzhong.github.io/projects/where\\_we\\_cry](https://emilyzhong.github.io/projects/where_we_cry) November 2017

- Implemented a map using Leaflet.js that visualizes where and why people have cried around the UC Berkeley campus area as part of The Daily Californian’s Mental Health special issue
- Supported user submission of locations and text to the map using Google Forms API
- Received over 600 submissions as one of the most-read Daily Californian articles of 2017

**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