
Emily Zhang

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EDUCATION

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

RELEVANT COURSEWORK

Data Structures, Discrete Math and Probability, Structure and Interpretation of Computer Programs, Algorithms, Linear Algebra, Machine Structures

SKILLS

Python, Java, Javascript, HTML/CSS, SQL, Scheme (Lisp), Unix, Photoshop, Illustrator, Git, C, Ruby on Rails

PROJECTS

Gitlet (C)

Made a version control software that restricted the contents of commit messages as part of a school project. Designed the structure of the program to optimize for efficiency and scalability.

Twitter Trend Map (Python)

Created a program to analyze the sentiments contained in large numbers of tweets and mapped them by geographic location.

Scheme Interpreter (Python)

Developed an interpreter that parsed Scheme expressions, evaluated them, and displayed the results.

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.

Exploding Chessboard (Java)

Implemented a version of checkers with alternative forms of interaction and integrated it with graphics to create a playable GUI.

OTHER EXPERIENCE

Web Developer, AFX Website Team (Winter 2015): Joined a team to help build a website for AFX Dance that allowed people to sign up for dance auditions.

Tutor, Math Enrichment at Lawson Middle School (Summer 2012): Managed and tutored a class of 30 students in pre-calculus. Graded papers and planned social activities for the kids.

Designer, Hydrangea Designs (2011 - 2012): Worked in a website design team to develop mockups for high school organizations, using Adobe Photoshop and Fireworks.
