

Peter E. Xu

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Education

University of California, Berkeley

B.A. Computer Science, expected May 2018

GPA: 3.52

Relevant Coursework: Structure & Interpretation of Programs, Linear Algebra & Differential Equations, Multivariable Calculus, Data Structures, Discrete Math & Probability Theory, Practical Programming

Activities: Upsilon Pi Epsilon (CS Honors Society) Publicity Chair

Mission San Jose High School

June 2014

GPA: 3.925, SAT: 2370

Skills

Proficient in Java, Python, Scheme, SQLite, HTML, CSS, Git, Microsoft Office, Adobe Photoshop, and Adobe InDesign.

Work Experience

Model Predictive Control Lab, Berkeley, CA

May 2015 - Present

Research Assistant for Professor Francisco Borelli

- Developing an endless running game to simulate human decision-making tests, from which data is collected to form models of human decision-making.

CareerMagnet, Berkeley, CA

February 2015 - May 2015

Software Engineer

- Software engineer at early phase startup. Developing CRUD-model program to parse spreadsheet files into a MySQL database.

CS61A Lab Assistant, Berkeley, CA

January 2015 - May 2015

Lab Assistant for the Structure and Interpretation of Programs class

- Help students with lab work and in understanding the Python language and course concepts.

Undergraduate Research Apprenticeship Program, Berkeley, CA

September 2014 – December 2014

Technical Staff Member for Professor Elizabeth Honig (Art History)

- Worked with technical staff on improving user interface and browsing functionality on website for Flemish painter Jan Brueghel.
- Devised improved designs and templates for upcoming website on Flemish painter Peter Brueghel in order to provide a knowledge base to facilitate art historians' research.

Academic Talent Development Program, Berkeley, CA

June 2013 – July 2013

Teaching Assistant – Elements of Web Design Class

June 2014 – July 2014

- Managed group of five students. Counseled students one-to-one and ensured mastery of concepts.

Projects

Gitlet

- Revision control system similar to Git. Implements many Git functions such as merge, rebase, and interactive-rebase. Built in Java.

Cal Dining Scraper

- Scrapes the Cal Dining website and returns the menu for a specific dining hall (i.e. Cafe 3) for a specific meal (i.e. lunch) and specifies which items are vegan or vegetarian. Currently under development. Being developed in Java.

Fibbage Hot Seat

- A terminal-based hotseat version of the Xbox One trivia game *Fibbage*. Built in Python.