

# Peter E. Xu

Email: [peterxu30@berkeley.edu](mailto:peterxu30@berkeley.edu)  
Website: [peterxu30.github.io](http://peterxu30.github.io) | Github: [github.com/peterxu30](https://github.com/peterxu30)

## Education

---

### University of California, Berkeley

B.A. Computer Science, expected May 2018

GPA: 3.8

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

---

### 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.

## Interests

---

Currently taking The Art of Erhu (Chinese violin) class and is extremely excited about it. Enjoys running and reading hard science fiction (specifically Arthur C. Clarke), but not simultaneously.