

Vivian Fang

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Education

University of California, Berkeley
B.S. Electrical Engineering and Computer Science • GPA: 3.92

expected grad. May 2019

Relevant Coursework

CS 61B: Data Structures (Java), **CS 61A:** The Structure and Interpretation of Programs (Python),
EE 16A: Designing Information Devices and Systems I, **Math 54:** Linear Algebra

Work Experience

Undergraduate Student Instructor for CS 61A, UC Berkeley

June 2016-now

- › Responsible for leading discussion sections, helping with writing and grading exams, holding office hours, and answering questions on a web forum.

Research Apprentice, Berkeley Institute for Data Science

February 2016-now

- › Developing backend of TextThresher, a web application that crowdsources document analysis.
- › Also contributing to the open-source project Jupyter Notebook. github.com/jupyter/notebook/pulls/secant
- › Using Python and Django.

Software Engineering Intern, University of Hawai'i Cyberinfrastructure

June-August 2015

- › Developed web-based UI for scientists to monitor their usage of the university's supercomputer.
- › Used Django, D3.js, SQL, and Foundations.

Projects

Text Editor

February-March 2016

- › Text editor that supports word-wrap, resizing, and opening/saving files.
- › Built on Java with JavaFX. vivian.tk/text-editor

Pic-y Eats

February 2016

- › Social media web application that allows pictures to be uploaded during a time window.
- › Used Flask and Bootstrap. Deployed on Microsoft Azure. github.com/secant/hourly

Activities

Webmaster, Association of Women in EECS

January 2016-present

- › In charge of updating club website inst.eecs.berkeley.edu/~auwicsee.

Website Committee Member, CS KickStart

August 2015-present

- › 1-week program that engages incoming UC Berkeley women in computer science. Former participant.
- › Revamped cs-kickstart.berkeley.edu using Bootstrap framework.

Skills

Comfortable with: Python, Java, HTML, CSS, Bootstrap, Django

Experience in: Scheme, SQL, JavaScript, D3.js, Flask

Software/OS: Git, Adobe CC (Photoshop, InDesign), Microsoft Office, Linux, OS X, Windows

* Awards

- › Cal Alumni Association Leadership Award (2015)
- › National & State AP Scholar (2015)
- › Harvard Book Award (2014)

Interests

- › Data Science
- › Documentation
- › Teaching & STEM Outreach