# Vivian Fang

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## **EDUCATION** University of California Berkeley

Aug 2015 - May 2019 (expected)

B.S. Electrical Engineering and Computer Science • GPA: 3.92

- > In Progress: CS 168 (Networks), CS 61C (Machine Structures, C), CS 70 (Discrete Math and Probability)
- > Completed: CS 61B (Data Structures, Java), CS 61A: (SICP, Python), EE 16A (Designing Info. Devices & Systems I)

#### **WORK EXPERIENCE**

## Research Apprentice, UC Berkeley NetSys Lab

Jun 2016 - now

- > Principal Investigator: Scott Shenker
- > Developing Quilt, a container orchestrator that simplifies creation and modification of distributed systems. Improved usablity, revised testing framework, and currently upgrading support for applications.
- > Using Go. quilt.io

# Undergraduate Student Instructor (CS 61A), UC Berkeley

Jun 2016 - now

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

**Software Engineering Intern**, University of Hawai'i Cyberinfrastructure

Jun 2015 - Aug 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

Feb 2016 – Mar 2016

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

**Pic-y Eats** 

Feb 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 EE&CS

Jan 2016 - now

> In charge of updating club website inst.eecs.berkeley.edu/ auwicsee.

## Website Committee Member, CS KickStart

Aug 2016 - now

- > Selective 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**: Go, Python, Java, HTML, CSS, Bootstrap

Experience in: Scheme, SQL, JS, D3.js, Flask, \text{LTEX}

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

## **AWARDS**

> Dean's Honors, UC Berkeley, College of Engineering Overall GPA in the top 10% of all College of Engineering undergraduates. Fall 2015 – now

> Cal Alumni Association Leadership Award

2015

#### **INTERESTS**

Data Science, Documentation, Teaching & STEM Outreach

#### **REFERENCES**

Available upon request.

[Updated 2016-08-17]