

[2016-09-30]

# Vivian Fang

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## EDUCATION

### University of California, Berkeley

Aug. 2015 – May 2019 (expected)

*B.S. Electrical Engineering and Computer Science* // Major GPA: 4.00

*In Progress:* Networks, Machine Structures (C), AI, Discrete Math

*Completed:* Data Structures (Java), Struct. & Interp. of Programs (Python), Designing Info. Devices & Systems I

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## AWARDS

**Dean's Honors**, UC Berkeley, College of Engineering

Overall GPA in the top 10% of all College of Engineering undergraduates.

**Leadership Award**, Cal Alumni Association

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## WORK EXPERIENCE

### Research Apprentice, UC Berkeley NetSys Lab

June 2016 – now

Developing Quilt, a container orchestrator that simplifies creation and modification of distributed systems.

Improved usability, revised testing framework, and currently upgrading support for applications. Using Go.

*Principal Investigator:* Scott Shenker.

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

June 2016 – now

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

### Software Engineering Intern, University of Hawaii Cyberinfrastructure

May 2015 – Aug. 2015

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

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## ACTIVITIES

### Webmaster, Association of Women in EE & CS

Jan. 2016 – now

In charge of updating club website [inst.eecs.berkeley.edu/~auwicsee](http://inst.eecs.berkeley.edu/~auwicsee).

### Website Committee Member, CS KickStart

Aug. 2015 – now

Selective 1-week program that engages incoming UC Berkeley women in computer science. Former participant.

Revamped [cs-kickstart.berkeley.edu](http://cs-kickstart.berkeley.edu) using Bootstrap framework.

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## 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](http://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](https://github.com/secant/hourly)

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## SKILLS

**Comfortable with:** Go, Python, Java, HTML, CSS, Bootstrap

**Experience in:** Scheme, SQL, JS, D3.js, Flask,  $\text{\LaTeX}$

**Learning:** C, Assembly

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

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