

# Justin Yu

SOFTWARE ENGINEER

Newark, CA, 94560

☎ (+408) 833-2630 | ✉ justinyu9@yahoo.com | 🏠 justinyu.me | 📱 justinyu9 | 🌐 jubyu

"Every great developer you know got there by solving problems they were unqualified to solve until they actually did it."

## Education

### University of California, Santa Cruz

BACHELOR OF SCIENCE - COMPUTER SCIENCE

GPA: 3.63/4.00

Sept. 2015 - Exp. Jun. 2019

## Relevant Courses

Intro to Java Accelerated, Data Structures, Algorithms and Abstract Data Types, Computer Systems and Assembly Language, Computer Architecture, Introduction to Analysis of Algorithms, Computational Models, Introduction to Software Engineering, Mobile Applications, Introduction to Operating Systems, Database Systems I, Comparative Programming Languages, Web Applications.

## Work Experience

### Alarm.com

SOFTWARE ENGINEER INTERN

Tysons Corner, VA

July. 2018 - Sept. 2018

- Writing unit tests in C# to check backend database calls function properly.
- Refined ember add-ons by deleting devDependencies which will decrease build/compile time of programs by up to 80%.
- Configured formatting using Prettier which reformats code on save.
- Enhanced User Interaction on Customer and Dealer Page by using Ember.js and C#

### University of California, Santa Cruz

UNDERGRADUATE RESEARCH ASSISTANT

Santa Cruz, CA

Sept. 2017 - June. 2018

- Researched under Professor Abhradeep Guha Thakurta.
- Analyze research papers relating to data privacy.
- Coordinated with Professor to further my understanding and study his work.
- Working with local differential data privacy.
- Weekly meetings with Graduate Research Assistants to discuss theorems and proofs regarding data privacy.

### iD Tech

COMPUTER SCIENCE INSTRUCTOR

Santa Clara, CA

June. 2017 - Aug. 2017

- Made weekly lesson plans and modified course to fit students' needs.
- Mentored each student to create individual projects by the end of each weekly session.
- Taught high school students (ages 13-17) C++, Python, Java, HTML, CSS, Javascript, Assembly, and BASIC.

## Projects

### Finder

FULL STACK

Santa Cruz, CA

May. 2018

- Web Application that allows users to report lost and found items.
- Users can make an account and data will be stored in an SQL database.
- Worked on the Search Bar, forms, and storing information into a database.
- Used Web2py, Vue.js, SQL, Python, Javascript, and HTML/CSS.

### Ripple

FULL STACK

Santa Cruz, CA

Nov. 2017

- Web Application that easily informs users data about politics, and allows users to rate and contact congressmen.
- Designed web page using HTML, CSS, Bootstrap, and React.
- Pulled data from ProPublica API, and stored data into a database using Node.js, express and SQL.

### DormHacks

BACKEND

Davis, CA

May. 2016

- Web Application for college students to sell things to each other.
- Used Firebase to implement a working data base to allow users to sign up and sign in to make a personal profile.
- Used Bootstrap and HTML to design and format pages.

## Skills

**Programming:** Java, C, Javascript, C#, Python, C++, HTML, CSS, Assembly, PHP, Commodore, BASIC, Scheme, OCaml, Smalltalk

**Database:** FireBase, SQL

**Software:** Microsoft Office, Notepad++, Sublime Text, Brackets, Android Studio, Latex, Webstorm, Visual Studios, IDLE, Eclipse, Github, Scrum

**Operating Systems:** Windows 10, Windows XP, Android, iOS, OSX, UNIX

**Frameworks:** Express.js, React.js, Vue.js, Ember.js, Node.js