Justin Yu

SOFTWARE ENGINEER

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"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   *GPA: 3.63/4.00*

BACHELOR OF SCIENCE - COMPUTER SCIENCE   *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, Machine Learning.

Work Experience

Cisco Systems   *Milpitas, CA*

SOFTWARE DEVELOPMENT INTERN   *Sept. 2018 - Dec. 2018*

- Will create automated tests using Ansible to install OpenStack and AWS automatically.
- Will create instances and VLANs in a OpenStack Cloud Platform that route and communicate to each other properly.
- Participated in daily scrum meetings and discuss with other co-workers the best solutions for tasks.

Alarm.com   *Tysons Corner, VA*

SOFTWARE ENGINEER INTERN   *July. 2018 - Sept. 2018*

- Wrote unit tests in C# and SQL scripts to check if backend SQL database returns function calls properly.
- Refined ember add-ons by deleting devDependencies which will decrease build/compile time of programs by up to 80%.
- Configured formatting using a code formatter called Prettier which reformats code on save.
- Enhanced User Interaction on Customer and Dealer Page by using Ember.js and C#, impacting many daily customers.

iD Tech   *Santa Clara, CA*

COMPUTER SCIENCE INSTRUCTOR   *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   *Santa Cruz, CA*

FULL STACK   *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   *Santa Cruz, CA*

FULL STACK   *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   *Davis, CA*

BACKEND   *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.

Research

Tech 4 Good   *Santa Cruz, CA*

UNDERGRADUATE RESEARCH ASSISTANT   *Sept. 2018 - Present*

- Researched under Professor David Lee.
- Will help build a web-based platform to help coders build websites for non-profit organizations.
- Will interview participants about social topics and transcribe them and give a qualitative analysis.
- Discussed scientific papers with other assistants to analyze pros and cons of social media.

Privacy Labs   *Santa Cruz, CA*

UNDERGRADUATE RESEARCH ASSISTANT   *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.

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.