

Joshua Cheung

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2901 Gibbons Drive,

Alameda, CA 94501

Education

B.S. Computer Science,
UC Santa Cruz

Expected: April 2019

GPA: 3.35

Coursework

Abstract Data Types
Analysis of Algorithms
Intro to Operating Systems
Data Structures
Mobile Applications
Web Applications
Computer Architecture
Computational Models
Comparative Programming
Compiler Design
Assembly Language
Probabilities and Statistics
Discrete Math
Linear Algebra
Vector Calculus
Intro to Python

Languages

Java, JavaScript, Python,
C/C++, HTML, CSS, YAML, Shell
Scripting, MySQL, SQLite

Tools

React, Firebase, Ansible, Junit, Jenkins,
UNIX, Android Studios, Scrum, Apple,
Windows, Git, GitHub, Microsoft Office,
OpenStack

Foreign Language

Cantonese (Conversational)

Work Experience

Software Engineering Intern

October 2018 — December 2018

Cisco Systems, Milpitas CA

- Wrote Ansible playbooks to automate installation of OpenStack and to configure computer networks for Webex use and testing
- Integrated JUnit for Odomantus Client endpoints to dial into Webex calls to test different Webex functionalities and features
- Used Jenkins (job) to unit test Webex calls and features to ensure the reliability of code
- Developed shell scripts to automate re-registration of devices as Spark devices in Cisco's internal network to avoid manual registration after device's update

Information Technician

September 2017 — March 2019

ResNet Technician, Santa Cruz CA

- Diagnose and remove malware, spyware, and other viruses from client computers to enhance device performance and protect user data
- Provide critical campus-wide technical and networking support to students and faculty over the phone, online, or in person to resolve issues
- Configure routers to be compatible with the UCSC network, granting students internet access within the campus residence

Projects

Qvinyl

JavaScript, React, Firebase, Bootstrap, Scrum Master (Full-Stack)

- Organized and developed, with a team of 5, a web application for users to build communal music playlists with synchronized real-time streaming of music
- Designed robust backend infrastructure with Firebase to efficiently store data for text messaging, user information, room data, and other components
- Implemented UI designs with ReactJS and Bootstrap/CSS to produce a single page application with dynamic loading and clearly defined content for easy navigation
- Managed a team as Scrum Master, organizing meetings and coding sessions to ensure project's features and goals were met

88 Beans

Android, Java, SQLite (Full-Stack)

- Worked closely with client to develop and design mobile application to track coffee bean usage for inventory and anticipate future orders.
- Organized a simple database table in SQLite for data to be entered and extracted for visualization, analyzation, and easy readability
- Constructed easy user interface for client to manage data carefully and visualize future sales for each type of coffee bean with graphs
- Demoed features and updated client on a weekly basis to ensure application was up to client's expectations

Budget Tracker

JavaScript, CSS, HTML, Chart.js (Front-End)

- Cooperated with a team of 4 and developed a web application allowing users to visualize and monitor their bank transactions
- Created functions to inspect and categorize each transaction in a CSV file to display graphical charts by percentage distributions of expenses and spending over time
- Crafted an intuitive UI in CSS and HTML for interactive graphs and organized visual representations of large structured data

Sunrise Rotary Website Overhaul

JavaScript, CSS, HTML (Front-End)

- Collaborated with the Santa Cruz Sunrise Rotary Club to restructure a promotional web application, modernizing appearance and usability
- Coordinated with club member to integrate final redesign of the website UI to improve accessibility and tailor aesthetics according to the client's preferences