JOSHUA CHEUNG

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ *September 2016 – June 2020*
Bachelors of Science Computer Science

OBJECTIVE

Self-Motivated Learner looking for a **Backend Software Engineer** position with backend programming experience from Cisco Internship and self-initiated projects.

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN – Cisco | *Summer 2019*

- **Distributed System Performance Monitoring:** Created a dashboard that enables further optimization of VMs. The work involved understanding various statistics of VMs on Amazon Web Services (AWS), detecting anomalies, then parsing this JSON info and displaying them in a user-friendly manner. This allowed for further server optimization and evaluation.
- **Development of Automated Testing System (Using REST API):** Developed and deployed an automation system that periodically detects inefficient virtual machines (VMs) and endpoints using REST API calls, and then fixes them with the use of Java and shell scripting. This system increased company testing procedure efficiency by over 5% and is still being used today.
- **Experience in Collaborating with Cross-Functional Teams:** Engaged in daily scrum meetings to communicate goals and how to most effectively achieve them, and collaborated in Agile development.

RELEVANT COURSEWORK

- Data Structures
- Analysis of Algorithms
- Algorithms and Abstract Data Types
- Data Ethics and Algorithms
- Web Applications
- Principles of Computer Design
- Computer Architecture

PROJECTS *More at https://github.com/joshuacheung*

API SYSTEM DESIGN (C)

- Produced a program that is able to process REST API calls such as GET, PUT and HEAD requests with multithreading

FULL STACK DEVELOPMENT (Python, HTML, Vue.js)

- Created a forum website where the user is able to make a post and other users are able to reply to the post or create their own posts with the use of authentication, databases, and multi-use functions

DATA MINING/ANALYSIS (Python, mySQL)

- Performed Data Mining and Data Analysis on college acceptance rates from UC colleges to see if affirmative action was being implemented. The derived database information was then displayed in a visually appealing way

TECHNICAL SKILLS

- **Languages**: Python, Node.js, Java, C, C++, HTML, JavaScript, CSS, Shell, Perl, Vue.js, Ruby
- **Database**: mySQL, noSQL, Hadoop, MongoDB
- **Other**: Jira, GraphQL, Docker, React, Amazon AWS, Jenkins, Unix