PHILLIP CHAN

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EXPERIENCES

Western Digital, San Jose — Field Application Engineer Intern

June 2019 - Present

- Performed failure analysis on returned Hard Disk Drive (HDD) and Solid State Drive (SSD) by examining logs, running test scripts, and utilizing other internal tools to determine root cause of drive failure
- Analyzed and compiled weekly reports to present testing results of failed drives for Western Digital top customers
- Collaborated with Failure Analysis, Firmware, Product, and Customer Technical Support teams on new product development and quality assurance

Mayfield Robotics, Redwood City — QA Intern

June 2018 - September 2018

- Worked in Linux environment to run various test scripts as a means of improving robot Kuri's wake word recognition.
- Debugged Kuri by logging into robots via SSH and analyzed robot logs to help identify root cause of problems.
- Tested software releases and hardware changes to validate new features, extrapolated test results into actionable JIRA bugs, and collaborated with developers and engineers to improve the product.
- Managed and organized a procedure that encompassed over-the-air-updates, black box qa testing, and debugging to ensure the on-time product launch of 100+ robots.
- Collaborated across departments to fulfill projects ranging from robot construction and organization with the Hardware team, to preparing media ready robots for the Marketing team during Kuri's pre-launch sprints.

Dreams for Schools, Irvine — Appjam+ Program Mentor

March 2018 - June 2018

- Directed and managed STEM projects for 25 middle school students by teaching fundamental programming concepts via app development.
- Created an Android mobile application using the Thunkable platform (won Fourth Place at the AppJam Showcase) for students to learn and implement app development techniques.
- Introduced and created an immersive STEM curriculum of rudimentary technical coding skills.

PROJECTS/LEADERSHIP

Fabflix

June 2018

Developed movie database web application using Java and SQL through Apache Tomcat server with Java servlets, and implemented frontend with HTML/CSS, Javascript and Bootstrap library.

Spacetime Search Engine

March 2018

Built a search engine that crawled the UC Irvine domain which used Python Beautiful Soup library to parse HTML files. Determined the relevance of a document for a given query utilizing tf-idf weighting.

SKILLS

Languages

Python	Java
HTML/CSS	MySQL
C++	Bash

Frameworks/Libraries

Selenium	Bootstrap
JUnit	NumPy
Scikit-Learn	Beautiful Soup

Softwares

Jira	Eclipse
MySQL	Apache Tomcat
Github	Visual Studio
Nmap	

Operating Systems

Linux	Windows

Cloud Platforms

Amazon Web Services

EDUCATION

University of California, Irvine

B.S. Computer Science, Minor Business Management

Expected 2019

Honors: Dean's List - Fall'16,'17,'18 Winter'17,'19, Spring'17,'18,'19

AWARDS

Regent Scholar

The most distinguished merit scholarship awarded by UCs based on academic and leadership achievement

CERTIFICATES

CompTIA Security+

Management Information Student Society—Executive Vice President, VP Marketing
Women in Information and Computer Science —Member