STEVEN TAN

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EDUCATION

University of California, Berkeley May 2019

Bachelor of Arts in Computer Science (3.41 GPA)

Relevant courses:

- Data Structures
- Database Systems
- Computer Security
- Machine Learning
- Algorithms
- Operating Systems
- Internet Architecture and Protocols
- Natural Language Processing

SKILLS

Languages: Python, Java, Go, C/C#, JavaScript/jQuery, HTML/CSS, SQL
Frameworks: Spring, Rails, Thrift
Other: Unity, Git

EXPERIENCE

Software Development Engineer Intern May 2018 – August 2018

Amazon | Seattle, WA

- Developed a new feature to streamline the process of managing Amazon products that are eligible for monthly payments by allowing users to upload a CSV of product data
- Applied Spring MVC and RESTful principles to implement the front-end and create back-end Java APIs to parse a CSV and update DynamoDB
- Wrote comprehensive unit tests for back-end using JUnit and Mockito to ensure code coverage

Software Engineer Intern May 2017 – August 2017

Cavium | San Jose, CA

- Created a Python script that analyzes and graphs gigabytes of machine learning data stored in CSV/Excel format using Pandas and Seaborn to help determine the best products to architect
- Created a Python script run by Cron to find the latest Automatic Test Pattern Generator report and tabulate its data onto an internal Cavium Wiki page
- Designed a Python client using Apache Thrift to communicate with a server to perform JTAG scans and populate a SQLite database

PROJECTS

Space February 2018

https://github.com/stevenistan/space-vr

- Collaborated in a team of three to design a mental health journaling iOS application that prompts users to write about their day and assign a color to their response
- Developed the VR component using Google Cardboard to visualize journal entries as stars in space that when stared at long enough, envelop the user in a 360-degree photo or video
- Competed in Hack Mental Health and presented a demo to a panel of leading experts in the mental health space

LEADERSHIP

Computer Science Peer Advisor September 2017 – May 2019

- Served as a resource for connecting peers to information about declaration and major requirements, computer science courses, and internship and research opportunities

Berkeley ANova Computer Science Mentor September 2018 – December 2018

- Taught computer science to students at under-resourced, middle and high schools in the Bay Area to improve accessibility to quality education