STEVEN TAN

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EDUCATION

University of California, Berkeley May 2019

Bachelor of Arts in Computer Science (3.39 GPA)

Relevant courses (* *in progress*):

- Data Structures, Efficient Algorithms and Intractable Problems, Artificial Intelligence, Database Systems, Internet Architecture and Protocols, Operating Systems and System Programming, *Computer Security**, *Natural Language Processing**, *Probability and Random Processes**

TECHNICAL SKILLS

Languages: Python, Java, Scala, C/C#, SQL, HTML/CSS

Frameworks: Ruby on Rails, Spring, Apache Spark, Apache Thrift

Databases: PostgreSQL, DynamoDB, SQLite

Other: Unity, Git

EXPERIENCE

Amazon.com May 2018 – August 2018

Software Development Engineer Intern

Cavium May 2017 – August 2017

Software Engineer Intern

- Created a Python script that summarizes and graphs large amounts of machine learning data using the Pandas and Seaborn libraries to determine the best products to architect
- Collaborated with the Design for Test team to write a Python script run by Cron that finds the latest Automatic Test Pattern Generator report and tabulates its data onto the Cavium Wiki
- Designed a Python client using Apache Thrift to communicate with a C++ server for JTAG scans along with a SQLite database for fast querying of information useful for debugging
- Learned how to properly document and modularize code such that other engineers can easily understand and build upon its implementation

PROJECTS

Space (Unity, C#) February 2018 – present

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

CS Peer Advisor September 2017 – present

UC Berkeley EECS Department

- Served as a resource for connecting peers to information about declaration and major requirements, enrolling in CS classes, signing up for on-campus tutoring, finding internship and research opportunities, and participating in student organizations