STEVEN TAN

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EDUCATION

University of California, Berkeley May 2019

Bachelor of Arts in Computer Science (3.33 GPA)

Relevant courses (* *in progress*):

- Structure and Interpretation of Computer Programs, Data Structures, Great Ideas for Computer Architecture, Efficient Algorithms and Intractable Problems, Artificial Intelligence, Database Systems, Internet Architecture and Protocols, *Operating Systems and System Programming**

TECHNICAL SKILLS

Languages: Python, Java, Scala, C/C#, SQL, HTML/CSS
Frameworks: Ruby on Rails, Apache Spark, Apache Thrift
RDBMS: PostgreSQL, SQLite
Other: Unity, Git, Subversion

EXPERIENCE

Software Engineer Intern May 2017 – August 2017

Cavium, San Jose, CA

- 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

Bears Who Care (Ruby on Rails) October 2017

https://github.com/stevenistan/bears-who-care

- Developed a web application that aims to destigmatize mental illnesses by providing a platform for Berkeley students to anonymously read and share about their mental health experiences
- Worked on designing and implementing the user, post, and comment models as well as setting up devise for user authentication
- Competed in the Innovation Summit Hackathon at Google Launchpad and presented the prototype to a panel of Google engineers and Berkeley faculty

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