Stephen Tambussi

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Education

Santa Clara University **Santa Clara, CA**
Bachelor of Science: Computer Science and Engineering Expected Graduation June 2022
Selected Coursework: Object-Oriented Programming and Advanced Data Structures, Computer Graphics Systems, Design & Implementation of Programming Languages, Digital Integrated Circuit Design, Computer Networks, Theory of Algorithms, Operating Systems, Machine Learning and Data Mining
Master of Science: Computer Science and Engineering Expected Graduation June 2023

Skills

Programming Languages: C/C++, Java
Scripting Languages: Python, Bash
Operating Systems: Windows, Linux
Other: Git, Jira, Confluence, TensorFlow, Keras, Google ecosystem, 3D printing

Experience

Western Digital **Santa Clara, CA**
Systems Design Engineering Intern *June 2021 - September 2021*
- As a member of the FWQA Test Development team, I contributed to the development of the testing software used to validate WDC's enterprise SSD products.
- Implemented new tests, features, and improved adherence to the NVMe specification for testing software.
- Resolved multiple bugs/regressions in the testing software that enhanced performance and reliability.
- Updated test documentation and plans in accordance with any software changes.

Marvell Semiconductor **Santa Clara, CA**
Firmware Intern in Security Solutions June 2020 - September 2020
- Developed and validated a new method of program testing for the LiquidSecurity Hardware Security Module (HSM) Adapters to reduce product development time.
- Automated the secure transfer of customer specific files during testing of the HSM Adapters to enable immediate deployment in their data centers.
- Collaborated with senior engineers to debug programs and implement new features of the project for the LiquidSecurity HSM Adapters.

Organizations & Extracurriculars

SCU BioInnovation and Design Lab **Santa Clara, CA**
Undergraduate Research Assistant September 2020 - June 2021
- In collaboration with Varian Medical Systems, assisting in the development of a machine learning image classifier that can detect and label CT image artifacts resulting from medical implants.
- Improved classification accuracy of previous machine learning research project that identifies contrast agents in brain MRI scans.
- Implemented new methods of evaluation for machine learning models constrained by limited input data.

SCU OneUp **Santa Clara, CA**
Entrepreneurial Club Co-Founder October 2018 - Present
- Educational forum for the exchange of ideas in the startup community.
- Evaluated and selected individuals in the startup community to attend the forum meetings.
- Learned people management skills.

PennApps Hackathon **Philadelphia, PA**
Selected Participant September 2017 & January 2018
- Developed a ray casting graphical engine in the Java programming language for PennApps 2017.
- Created a gyroscopic mouse for people who suffer from carpal tunnel syndrome for PennApps 2018.

About Me

➢ Executive Officer for University Greek Organization. Head of Computer Science Club in high school.