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**Steve Tambussi**  
stephentambussi.github.io

[Github](#)  
[LinkedIn](#)

## EDUCATION

<b>Santa Clara, California</b>	<b>Santa Clara University</b>	<b>Sep 2018 - June 2023</b>
<ul style="list-style-type: none"><li><i>Bachelor of Science in Computer Science and Engineering</i></li><li><i>Master of Science in Computer Science and Engineering</i><ul style="list-style-type: none"><li>GPA: 3.87</li></ul></li></ul>		Graduated June 2022 Graduated June 2023

## SKILLS

Languages: C/C++, Python, Java, Bash  
Frameworks and Libraries: Tensorflow, PyTorch, ROS, Keras  
Misc: Git, Linux, Jira, Confluence, Windows, Google ecosystem

## EXPERIENCE

<b>Cyber Applied Research Scientist</b>	<b>Lockheed Martin</b>	<b>June 2023 - Present</b>
<ul style="list-style-type: none"><li>Lockheed Martin Advanced Technology Labs.</li></ul>		
<b>Teaching Assistant</b>	<b>Santa Clara University</b>	<b>Sep 2022 - June 2023</b>
<ul style="list-style-type: none"><li>For the Computer Science and Engineering department, I led undergraduate lab sections for Operating Systems and Compilers courses.</li></ul>		
<b>Systems Design Engineering Intern</b>	<b>Western Digital</b>	<b>Summer 2021 &amp; Summer 2022</b>
<ul style="list-style-type: none"><li>As a member of the FWQA Test Development team, I contributed to the development of the testing software used to validate WDC's consumer and enterprise SSD products.</li><li>Implemented new tests, features, and improved adherence to the NVMe specification for testing software.</li><li>Resolved multiple bugs/regressions in the testing software that enhanced performance and reliability.</li><li>Updated test documentation and plans in accordance with any software changes.</li></ul>		
<b>Undergraduate Research Assistant</b>	<b>SCU BioInnovation &amp; Design Lab</b>	<b>Sep 2020 - Dec 2021</b>
<ul style="list-style-type: none"><li>In collaboration with Varian Medical Systems, assisted in the development of a machine learning image classifier that detects and labels CT image artifacts resulting from medical implants.</li><li>Improved classification accuracy of previous machine learning research project that identifies contrast agents in brain MRI scans.</li><li>Implemented new methods of evaluation for machine learning models constrained by limited input data.</li></ul>		
<b>Firmware Intern</b>	<b>Marvell Technology</b>	<b>June 2020 - Sep 2020</b>
<ul style="list-style-type: none"><li>Developed and validated a new method of program testing for the LiquidSecurity Hardware Security Module (HSM) Adapters to reduce product development time.</li><li>Automated the secure transfer of customer specific files during testing of the HSM Adapters to enable immediate deployment in their data centers.</li><li>Collaborated with senior engineers to debug programs and implement new features of the project for the LiquidSecurity HSM Adapters.</li></ul>		

## PROJECTS

### Autonomous and Interactive Control of a Mobile Robot

[https://github.com/stephentambussi/RSL\\_SeniorDesign](https://github.com/stephentambussi/RSL_SeniorDesign)

- Worked with the Robotics Systems Lab (RSL) to develop an autonomously navigating mobile robot for collaboration in industrial kitchen environments.
- Won the award for "Best in Session" at Santa Clara University's 2022 Senior Design Conference.

### StoryGenius

<https://github.com/stephentambussi/StoryGenius>

- Developed a web app with React JS using OpenAI's latest API (DALL-E & ChatGPT) to help authors write their stories and rapidly experiment with new ideas.