Seth Jaksik

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Professional Experience

Lockheed Martin Missiles and Fire Control, Grand Prairie, TX

Lead Software Engineer / Engineering Leadership Development Program, July 2021 - Present

- Developed Raspberry Pi Camera module to perform automated target recognition using OpenCV and TensorFlow Lite for Engineering Leadership Development Program Autonomous Drone summer project
- Developed C++ software to integrate the PAC-3 missile into the Aegis Weapon System to expand defense capabilities of the Navy and expand capabilities of the products
- Led software integration efforts between multiple cross site teams and products, including software, systems, electrical, and networking functions
- Created an M903 Launcher Emulator in C++ so my and other engineering teams can develop, test, and integrate their software without needing the hardware accessible; other development and I&T teams have begun using the emulator to speed up their development
- Led Agile software development processes, including scrum meetings and sprint planning with team members
- Trained three software engineers new to the team and guided them in completing tasks for upcoming integration and demonstration events
- Joined Engineering Leadership Development Program, a program to develop future leaders by exposing them to leadership opportunities as well as situations to expand technical breadth and depth

Software Engineer Co-Op, Dec 2018 – May 2021

- Pioneered the migration from outdated version control systems to Gitlab by creating example projects and implementing common Gitlab Pipeline Tools
- Developed a Chapter 10 telemetry parsing tool to allow for verification of Engineering Units before being sent off to subject matter experts for validation
- Updated Chapter 10 telemetry tool to add error handling for dropped messages and other miscellaneous errors, allowing for data verification to happen on data that had faults in the recording process

Education

Georgia Institute Of Technology, Atlanta, GA

Masters of Science in Computer Science, Jan 2023 – Dec 2024

- **Specialization:** Machine Learning

University Of Texas At Arlington, Arlington, TX

Bachelors of Science Computer Science, Aug 2018 – May 2021

- Suma Cum Laude (GPA: 4.0)
- Minor in Mathematics
- **Focus Areas:** Machine Learning, Computational Methods, Probability, Statistical Inference, Number Theory

Technical Skills

Languages: C++, Python, C, Bash

Tools: NumPy, TensorFlow, Pandas, Scikit Learn, OpenCV, Git, RTI DDS, Docker, CI/CD, Boost/GSL C++ libraries

Miscellaneous: Linux, Machine Learning, Data Analysis, Parallel Processing, Agile

Awards and Achievements

- Eagle Scout – Boy Scouts of America   **Aug 2, 2018**