Steven Le

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EDUCATION

Georgia Institute of Technology - GPA: 3.97   **Atlanta, GA**
Master of Science in Computer Science | Interactive Intelligence   *Expected Graduation: May 2025*
Bachelor of Science in Computer Science | Intelligence and Media   *Graduated: May 2024*
- **Courses:** Data Structures and Algorithms, Object-Oriented Programming, Object and Design, Machine Learning

EXPERIENCE

Lockheed Martin   **Manassas, VA**
Software Engineer Intern - AI/ML   *June 2024 - August 2024*
- Implemented Computer Vision models with Python and PyTorch to detect abnormal frequencies in spectrograms, decreasing operator workload by up to 75%
- Leveraged sensor data stored in a MongoDB database to train various Vision Transformer Models, cutting computation costs over baseline models by 30% and achieving up to an 80% accuracy
- Deployed and scaled Machine Learning models with Docker and Kubernetes, fine-tuning with on-site data
- Developed a full-stack application with JavaScript, Python, and React that retrieves data from an AWS S3 bucket to make requests to a REST API, utilizing Retrieval Augmented Generation (RAG) to integrate a chatbot

Lockheed Martin   **Manassas, VA**
Software Engineer Intern   *May 2023 - August 2023*
- Developed code for a user-facing application that enables operators to configure and read sensor arrays
- Wrote configuration scripts with Python and C++ to simplify code and speed up development for other engineers, reducing time to code sensor node related tasks by 20%
- Shipped front-end support and designed icons for three sensor nodes using TypeScript, Angular, and CSS
- Worked in a fast-paced Agile environment, contributing to all parts of the full development cycle

Data Machines   **Ashburn, VA**
Software Engineer Intern   *May 2022 - August 2022*
- Worked on NIST-ACE (Analytics Container Environment) and created API documentation to provide researchers and developers an open-source framework on GitHub for running different video analytics
- Containerized and integrated an OpenCV crowd analysis tool with Docker, Python, and Bash scripting

PROJECTS AND RESEARCH

Georgia Tech Robotics Perception and Learning Lab   **Atlanta, GA**
Research Assistant   *May 2024 - August 2024*
- Assisted Professor Zsolt Kira with research on Web/GUI Vision-Language Model Decision Making Agents
- Experimented with various Large Language Models and evaluated their end-to-end performance on web tasks

Electronic Artrium - Georgia Tech Vertically Integrated Projects   **Atlanta, GA**
Software Team Lead   *August 2022 - December 2023*
- Spearheaded a team to detect user movements using Google MediaPipe pose detection to support a motion-controlled visual art exhibit, which was open to the Georgia Tech community: video link
- Wrote Python and C# code to send UDP packets to other computers and control Unity environments
- Created a PostgreSQL database to store and analyze user data and behaviors within each section of the exhibit

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript C++, C#, HTML, CSS, Bash
Technologies: Linux, Git, Docker, Kubernetes, React, Angular, AWS, MongoDB, SQL, Jenkins, PyTorch, TensorFlow