

MASON REIN

Louisville, Colorado 80027

masonarein@gmail.com

masonrein.com

(720) 600-1125

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY | **B.S. Computer Science** | Atlanta, GA

Class of 2025

- GPA of 3.93 with 95 credit hours taken - Specialization in Intelligence and Modeling/Simulation
- Taken classes specializing in AI/ML Algorithms, Computer Vision, Robotics, and Differential Equations
- Involvement with Delta Sigma Phi, Reformed University Fellowship, GT Motorsport, GT Astronomy Club, GT Data Science, Grey Hats, and GT Programming Club
- Projects completed using OpenCV, PyTorch, Python, GTSAM, C++, C, Java, JavaScript, and MATLAB

WORK EXPERIENCE

Apple, Cupertino, CA, **Software Engineer Intern - Reminders App** May 2024 - Present

- Restructured iOS evaluation suite for VisionOS systems and discovered multiple OS/App disjunctions
- Improved iPad test verifications for iOS 18 to be 40% more successful over 3 weeks
- Shaved minutes off of verification runtime through algorithmic simplification and replacement

Tesla, Fremont, CA, **Software Engineer Intern - Manufacturing Eng** August 2023 - December 2023

- Modified UI for Powertrain testing data to include Noise Vibration information with Typescript and React
- Updated API settings and data pipeline for new aspects of hardware testing using GO and Javascript
- Aided in adaptations for Node configurations used on Windows based servers using Labview

Apple, Cupertino, CA, **Software QA Intern - Reminders App** May 2023 - August 2023

- Produced multilingual testing configuration for Reminders ML grocery categorization model in Swift UI
- Adapted iOS Reminders iCloud test cases to iPad UI for 3 dozen new passing test cases
- Enhanced Sharing test cases for cross-app collaboration in the Apple ecosystem

Maxar Technologies, Westminster, CO, **Software Quality Assurance Intern** May 2022 - August 2022

- Developed a Selenium Grid testing configuration for parallel cross-platform testing
- Designed Gherkin & JavaScript test cases for geographical imagery commission UI
- Collaborated as part of an Agile Scrum group of 12 other developers and testers

Code Ninjas, Louisville, CO, **Code Sensei ~ Camp Co-Director** August 2019 - August 2021

- Taught students course projects in Scratch, JavaScript, Lua, and Java programming languages.
- Assisted in coding personal projects and games with children of various ages and coding abilities.
- Created curriculum lessons for week long camps over the summer

TEAM ROLES

Georgia Tech VIP: Automotive LIDAR, Atlanta, GA, **Junior Team Lead** November 2022 - May 2023

- Helped with the conversion to ROS2 systems and simulation testing
- Led subteam with environment testing and lidar system changes

GT Motorsport, Atlanta, GA, **Suspension Team Member & Software Dev** September 2022 - May 2023

- Helped in testing weight distribution and in-shop testing for 2023(7th place) competition car
- Debugged MATLAB model simulations for tire pressure and performance

Research

Peak Emission-Density Relation of Solar Flare Formation

Laboratory of Atmospheric and Space Physics, Boulder, CO, **Student Researcher** August 2020 - May 2021

- Designed personal IDL programs to calculate data electron density data sets
- Identified correlations between plasma structure and energy release