

Andrew H. Rissler

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Objective

Passionate, problem-solving second year computer engineer serving as the Data Acquisition lead for GT Off Road. Experienced camp-counselor and certified lifeguard with hundreds of hours of workplace experience. Tau Beta Pi member and GT Novice Rowing member. Wearer of many hats and possessor of many interests, I believe I am a well-rounded candidate for an engineering internship.

Education

Georgia Institute of Technology | Atlanta, GA August 2023 – December 2026
B.S. in Computer Engineering, GPA 3.97 (116 applied credit hours)

Tau Beta Pi Honor Society Member Inducted Spring 2024

Oglethorpe University | Atlanta, GA August 2022 – May 2023
Dual-Enrolled Senior Year of Highschool, GPA 4.00

Skills

Programming: Java, Python, C#, C++, C, JavaScript, HTML, CSS, MIPS Assembly, ARM Assembly

Hardware: Arduino microcontrollers, SPI/I2C/UART/CAN/Analog Sensors, ADCs

Software: Visual Studio Code, Arduino, Quartus, Altium, Keil Vision 5, ModelSim

Experience

GT Off Road | DAQ Lead September 2023 – Present

- Led comprehensive overhaul of entire DAQ team including:
 - Implemented I2C, SPI, and CAN based communication standards
 - Oversaw development of new organizational standards
 - Implemented 200ksps polling rate capability (20,000x improvement)
 - Developed tools to handle data analysis and visualization
 - Coordinated the development of several discrete libraries for efficient data transfer
 - Revamped DAQ wiring harness specifications
 - Facilitated development of custom data-collection PCBs
- My leadership has turned DAQ into a club capable of both fulfilling the needs of GT Off Road and providing a place for students to experiment with the knowledge they gain in classes. We are currently training a multitude of new members to ensure DAQ lasts for years to come.

Monroe County Schools | IT Intern June 2025 – August 2025

- Gained invaluable workplace experience by handling both inter and intra team communications
- Managed and maintained hundreds of windows and chrome based devices

Camp Friedenswald | Summer Counselor/Lifeguard June 2022 – July 2024

Projects

Personal Website

- Built a personal website from scratch to showcase my academic and personal achievements
- (<https://andrewbandrew05.github.io/AndrewPortfolio.github.io-main/HTML/OffRoad.html>)

Quartus Memory Peripheral

- Built a memory extension device in VHDL for Digital Design Lab

Relevant Coursework

Digital Systems Design, Data Structures and Algorithms, Circuit Analysis, Digital Design Lab, Programming for HW/SW Systems, Intro to Signal Processing, Physical Foundations of Computer Engineering, Robotics and Autonomous Systems Topics, Embedded Systems Design