

Daniel Johns

1658 Stoddard Circ, 30152 | 470-507-1617 | djohns30@gatech.edu | [LinkedIn](#) | Permanent Resident

Objective

Seeking a Summer 2025 internship in electrical engineering to apply my project experience, leadership skills, and technical expertise. Eager to contribute to engineering solutions and problem-solving within the field while developing as a future engineering leader. Passionate about leveraging my knowledge in data analysis, signal processing, and electrical systems to make a meaningful impact.

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Electrical Engineering, GPA 3.0

August 2024 – Present
Expected Graduation, May 2028

Kennesaw Mountain High School | Kennesaw, GA

Magnet program, Cumulative GPA 4.4

August 2020 – May 2024

Skills

Programming: Python, Pandas, HTML, CSS, REST APIs, Streamlit

Software: AutoCAD, Autodesk Inventor, MATLAB

Data Analysis: Signal processing data visualization

AI/ML: LLM integration

Certifications: IT specialist – Software development, Microsoft Office Specialist: Word Associate

Experience

Dennis Group | Duluth, GA

January – May 2026

Incoming Controls and Automation Co-op

- Accepted co-op offer to work as a Controls and Automation Engineer, focusing on supporting the design, development, and maintenance of instrumentation and control systems
- Collaborating with process, packaging, and building engineers to troubleshoot and optimize automation systems in food and beverage production facilities
- Gaining hands-on experience in both software and hardware design, as well as addressing engineering challenges related to control systems and facility startup

Crane Nuclear | Kennesaw, GA

January – May 2024

Engineering Intern

- Led research project demonstrating strain gauge effectiveness for valve testing, potentially reducing valve testing intervals by 12-14 months
- Investigated the ability of strain gauges to detect electrical current in motor-operated valves
- Utilized VOTES Infinity signal analysis software to record and analyze incoming signals from strain gauges
- Developed a deep understanding of valve mechanics and their internal workings

Projects

NASA Data Visualization Platform | Computer Science Course Project

Fall 2024

Co-Lead

- Engineered full-stack web application using Python/Streamlit to interface with NASA APIs, enabling users to retrieve and view Mars Rover photographs by date selection
- Integrated Google's Gemini AI technology to provide automated image analysis and interactive descriptions of NASA's Astronomy Picture of the Day
- Achieved 100+ unique user visits through effective deployment and implementation

Leadership

Georgia Cycling League | Coach

August 2024 – Present

- Lead and supervise training sessions for an 80-member youth cycling team, Allatoona Creek Composite
- Teach advanced bike handling skills and employed safety protocols, including convoy formation and radio communication
- Foster a friendly and inclusive environment where riders of all skill levels can learn and grow
- Coordinate race-day operations within the Georgia Cycling League

Allatoona Creek Composite | Team mentor

July 2023 – December 2023

- Mentored new team members, focusing on cycling techniques and race preparation
- Facilitated team integration and skill development through personalized training sessions
- Supported mentee in competitions and practice sessions to build confidence and technical abilities