Alesander J. Campbell

2323 Cain Circle Dacula, GA 30019 | 929-323-7955 | alesandercampbell1@gmail.com | U.S. Citizen

Objective

As an ambitious and dedicated student currently pursuing a Bachelor of Science in Computer Engineering, I am enthusiastically seeking internships for Summer 2023. My academic journey and hands-on experiences have prepared me to make a significant contribution to your cutting-edge projects.

Education

Georgia Institute of Technology | Atlanta, GA   *August 2022 – May 2026*
Bachelor of Science in Computer Engineering, GPA 3.45

Skills

Programming: Java, Python, Unity C#, C++, Node.js, JavaScript, TypeScript, React, Swift
Platforms: Windows, Linux
Hardware: Arduino, LiDAR, PCB Design, Soldering
Software: Github, Google Firebase, PythonAnywhere, KiCAD
Communication: Collaborative Teams, Presentations (large and small audiences)
Languages: English (fluent), Korean (beginner)

Experience

West Community Housing Office | Atlanta, GA   *June 2023 – Present*
Office Assistant / Housing Department
- Consulted students in the community on issues related to their housing or other general campus inquiries.
- Audited key inventory of west campus dormitories.

Ifelse.ai Inc | Atlanta, GA   *March 2023 – July 2023*
Software Engineering Intern / Full-stack development
- Developed an application that aimed to assist the education system by utilizing Artificial Intelligence and Machine Learning effectively.
- Routed Firebase database.
- Developed the webpage for the product using TypeScript and React.
- Back-end development with Python, Java, Swift.

RoboJackets | Software & Electrical Engineer   *September 2022 – Present*
- Programming strategies for our competition robots.
- PCB design and soldering.
- LiDAR Sensing.

Projects

Agile Locomotion & Manipulation | Vertically Integrated Project   *August 2023 - Present*
A team-based project which involved research in mechanical design, mechatronics, control algorithm design, and perception of dynamic legged locomotion and manipulation.
- Assigned to work on improving the social planning algorithm to work in real time and allow for the robot to get real time polar coordinates from the nearby people in the environment.

Relevant Coursework

Data Structures & Algorithms: Data Structures; Algorithms; Optimization
Object-Oriented Programming: Object-Oriented Programming Principles
Digital Design: Boolean Logic; Logic Functions; Multiplexers and Encoders; Sequential Logic
Linear Algebra: Vector Spaces; Linear Transformations; Matrices