

Cole A. McGinnis

11015 Callington Ct Suwanee, GA 30024 | 803-487-5633 | camcginnis19@gmail.com | U.S. Citizen

Objective

Computer Engineering major with strong computer science, software and hardware skills who is ambitious to earn experience in the field by obtaining a Software Engineering internship for the summer of 2023.

Education

Georgia Institute of Technology | Atlanta, GA

Bachelor of Science in Computer Engineering, GPA 3.7

July 2021 – Present

Expected Graduation, May 2025

Skills

Programming: Python (Advanced), JavaScript (Intermediate), HTML (Intermediate), CSS (Intermediate), SQL, PHP, Assembly, and C

Professional Organizations: GT Motorsports, IEEE (The Institute of Electrical and Electronics Engineers) Chapter Member

Software: SOLIDWORKS (Intermediate), ArchiCAD (1st place CAD Architecture TSA State Convention), Drone Video, Video Editing (Intermediate), Pandas, MATLAB (Beginner), Tableau

Hardware: Engine Control Unit, Shift Light Module, Power Distribution Module

Communication: Leadership, Teamwork, Presentations, Customer Service

Experience

Verizon | Alpharetta, GA | June 2022 – August 2022

Network Engineering Intern

- Automated a comparison between two databases with over 3 million data points, saving 250 hours/week of manual labor
- Utilized Python and SQL to automate primary project and uploaded comparison output to a Tableau dashboard
- Analyzed dB predictions and created radio frequency design sheets for 2 cell towers in Georgia

Chili's | Johns Creek, GA | April 2021 – August 2021

To-Go Specialist

- Placed, assembled, and delivered curbside, in-store, and Door Dash to-go orders totaling \$100's - \$1,000s/sales per shift
- Ranked #2 in customer surveys (out of 10 to-go workers) due to my fast service and hospitality
- Obtained a "guest with a problem" only 8% of the time a customer submitted a review (well below Chili's standard of 25%)

Projects

Electrical Leader | Atlanta Georgia | August 2021 – Present

Georgia Tech Motorsports

- Leading a team of electrical and computer engineers to design and manufacture an electrical system for a formula motorsports car
- Designed (SOLIDWORKS Electrical) and constructed the complete electrical wiring harness for our 2023 FSAE car. The harness connects 30+ sensors to the ECU and is robust and reliable.
- Completed installations and programming of a new Shift Light Module utilizing the CAN Bus wiring from the Engine Control Unit and utilized software to create light patterns based on the RPM of the car

Website/Head Developer | Suwanee Georgia | Summer 2021

WhichIsMoreExpensive.com

- Designed, coded, tested, and published an interactive game website utilizing HTML, CSS, JavaScript, SQL, and PHP.
- The website includes backend data storage, a leaderboard, and modern CSS design elements.
- This game is designed to test player knowledge on pricing by comparing the prices of the world's most expensive products.

Relevant Coursework

Math: Differential Equations, Linear Algebra, Multivariable Calculus, Calculus 1 & 2

Electrical Engineering: Digital System Design, Signal Processing, Digital Design Lab, Circuit Analysis

Computer Science: Python, MATLAB, Programming for Hardware/Software Systems (C language)

Science: Chemistry, Physics 1, Physics 2