

Charles E. Phillips

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Links:

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Summary:

Obtaining Bachelor of Science in computer science at Clemson University to go into the field of embedded systems development.

Education:

- Bachelor of Science in computer science: *Clemson University* (Aug 2020-Present)
 - Currently pursuing a Bachelor of Science in computer science and minor in Geology from Clemson University. **GPA: 3.86**
 - Accolades: **President's List (2021-22), Dean's List (2020-Present)**

Experience:

- Capstone Intern: *NIWC Atlantic* (Aug 2023-Dec 2023)
 - Develop a dashboard interface and form portal for FIRST Robotics teams and their mentors to interact with and view current information, as well as pull past data for recurring teams, using a suite of AWS services as well as ReactJS.
- Undergraduate Student Researcher: *Clemson University* (Aug 2022-Present)
 - Research alongside Dr. Jacob Sorber in the PERSIST Lab, specializing in embedded systems and battery-less devices, leading projects in VLC, and assisting in projects on security in wireless RF communication.
- Technical Support Specialist: *Eleos Technologies* (May 2022-Sep 2022)
 - Tested the company's suite of apps and app bases, with Firebase and TestRail.
- Undergraduate Teacher's Assistant: *Clemson University* (Aug 2021-May 2022)
 - Lead labs and assisted students in debugging and learning to code in first computer science classes with Linux, C, and C++.

Personal Projects:

- Radio:
 - Utilized basic woodworking, Arduino, and electronic skills to create a radio from scratch. (May 2021-Sep 2021)
- PlanPlay:
 - Created an application that automatically adds Planning Center set list to Spotify, using Python and the Planning Center and Spotify APIs. (Mar-Apr 2023)
- NumbersApp:
 - Built an application that sends daily texts to registered users, using MySQL, Python, and the Twilio API. (March 2023)

Academic Projects:

- FAT12 Recovery Project: *Operating Systems* (Fall 2022)
 - Co-developed a C written FAT12 drive program to recover corrupted files from a CLI.
 - School Rules, Actually: *Data Visualization* (Fall 2022)
 - Collaborated on a data visualization site using D3.js to showcase and interact with data sets involving international school representation.
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