

DAVID BOOTLE

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Experienced developer, quick learner, and proven leader. Loves learning and is interested in everything. Great at problem solving and always striving for efficiency. Been an essential part of every team I've worked with. Automation, simplicity, reliability, and maintainability is the name of the game.

KEY EXPERIENCE

LEAD SOFTWARE DEVELOPER

Harcum Lab, Clemson University Biosystems Research | Clemson, SC

2022 – 2024

Collaborated with researchers to craft custom hardware and software, enhancing data collection and processing using MATLAB, Python, Simulink, and Arduino. Created Advanced Reactor Control via OPC in Python (ARCOpy) to interface with AMBR robotic system, allowing for previously impossible experiments and industrial automation.

I.T. SUPPORT SPECIALIST

Ztech I.T. Solutions | Charleston, SC

2020 – 2022

Engaged directly with clients, handling hardware installations and software troubleshooting. Safely transported and set up advanced technology equipment for educational institutions and businesses.

FRONT END LEAD / COFOUNDER

myOverlap | Clemson, SC

2023 – 2024

Worked with small team to create scheduling startup from the ground up. Designed and programmed front end for myOverlap.com. Worked with users to improve customer experience.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

Clemson University

MAY 2026

- President of IEEE Student Branch
 - Clemson Honors
 - GPA 3.88
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SOME SKILLS

- Software Development
 - Microcontroller Programming
 - Verilog HDL
 - 3D Printing
 - Docker
 - KiCAD PCB Design
 - CAD: Solidworks and Onshape
 - Soldering
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