Jake Ammons

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EDUCATION	**Doctor of Philosophy in Computer Engineering**, Clemson University, Clemson, South Carolina	May 2025
	Bachelor of Science in Computer Science, Clemson University, Clemson, South Carolina	May 2020

WORK EXPERIENCE

Formlabs, — Summer 2019
Somerville, Massachusetts
Embedded Software Engineering Intern
- Implemented watchdog and CAN bus firmware
- Tested and evaluated computer vision software
- Implemented hardware calibration and print pipeline software

Walt Disney Imagineering, — Spring 2019
Glendale, California
Robotic Animation Software Engineering Intern
- Designed testbed for full integration testing of animatronics
- Implemented design using industrial automation software

Clemson University, — Fall 2018
Clemson, South Carolina
Teaching Assistant
- Assisted computer organization students in ARM Assembly lab
- Held office hours open to computer organization students

RELATED EXPERIENCE

Clemson University, — 2019-Now
Research Assistant
- Designing and testing a system for concrete additive manufacturing (3D printing)
- Designing and testing assistive robotics and their applications in the home as part of the Continuous Robotics Lab

IEEE Student Hardware Robotics Competition, — 2017-2020
Team Lead
- Lead design and prototyping of mechanical systems
- Designed, manufactured, and assembled mechanical systems
- Designed and implemented software control systems

SKILLS

Embedded Software, Mechanical Design, Rapid Prototyping

AWARDS

Eagle Scout, Palmetto Fellows Scholarship, President's List