

Jake Ammons

jakeammons.com
linkedin.com/in/jakeammons

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

Bachelor of Science in Computer Science, May 2020
Clemson University, Clemson, South Carolina

WORK EXPERIENCE **Formlabs,** 2019 - Now
Somerville, Massachusetts
SLS Print Process (R&D) Intern

- Implementing and testing improvements to SLS printing
- 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
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RELATED EXPERIENCE **Clemson University,** 2019-Now
Research Assistant

- Designed and assembled a robotic system for concrete additive manufacturing (3D printing)
- Wrote a firmware library implementing robot control and kinematics
- Designing assistive robotics and their applications around the home

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
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SKILLS Embedded Software, Mechanical Design, Rapid Prototyping

AWARDS Eagle Scout, Palmetto Fellows Scholarship, President's List
