Jake Ammons

jakeammons.com
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EDUCATION	**Bachelor of Science in Computer Science**,	May 2020
	Clemson University, Clemson, South Carolina	

WORK EXPERIENCE	**Formlabs,**	Summer 2019
	Somerville, Massachusetts	
	Embedded Software Engineering Intern	

- Implemented watchdog and CAN bus firmware and computer vision
- 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 testbed design using both hardware and software

Clemson University, — Fall 2018
Clemson, South Carolina
Teaching Assistant

- Lead computer organization students in ARM Assembly lab
- Held office hours open to computer organization students

RELATED EXPERIENCE

Clemson Robotics, — 2019-Now
President

- Worked with school administration to obtain workspace for research
- Planned and proposed budget for electronic controls lab

IEEE SoutheastCon Student Hardware Robotics Competition, — Fall 2018
Huntsville, Alabama
Team Lead

- Designed and prototyped robot mechanical systems
- Designed and implemented robot subsystem software

ASME Student Design Robotics Competition, — Spring 2018
Penn State University
Software Lead

- Designed and implemented control architecture in firmware
- Designed and implemented logic wiring and harnessing

SKILLS

C, C++, Python, STM32, ARM Assembly, MATLAB, Embedded Linux, Bash, Git

AWARDS

Eagle Scout, Palmetto Fellows Scholarship, Dean's List