

# MATTHEW B. SMITH, JR.

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## EDUCATION

### Clemson University College of Engineering and Applied Sciences

Clemson, SC | May 2027

- Bachelor of Science in Mechanical Engineering – 3.75 GPA
- Minor in Physics
- Honors College

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## EXPERIENCE

### Owner, Assembly Required, [www.assemblyrequiredsc.com](http://www.assemblyrequiredsc.com)

Greenville, SC | October 2016 – present

- Assemble furniture, toys, and other items for people who don't have the time or ability to do so
- Completed 100+ projects, including whole bedroom suites, backyard playsets, and fixtures for retail settings
- Construct raised garden beds

### FIRST Robotics

Greenville, SC & Hartsville, SC | August 2014 – April 2023

- Participated in school and community robotics teams, which won state and national awards for design and research
- Worked with state senators and representatives to introduce project-related legislation to ban lead wheel weights in the state
- Presented to the Deputy Director of Environmental Protection Agency and congressional committees in DC
- Served as team captain for junior and senior year of high school

### Kyocera AVX

Fountain Inn, SC | June 2022 – July 2022

- Completed research internship
- Developed method for creating and testing supercapacitors on a small scale, presented research findings to key stakeholders and school.

### NASA Micro-g NExT Challenge

Clemson, SC | August 2024 – July 2025

- Participated in research and product development challenge through NASA with a group of Clemson students
- Developed a tool to pick up Lunar regolith without disturbing grain boundaries, team presented and tested tool in NASA's Neutral Buoyancy Laboratory

### LaunchPadX

Greenville, SC | February 2025 – present

- Retail product design intern
- Contributed key ideas to products produced on a mass scale and sold in Lowe's across the nation
- Right-hand-man to Project Manager, completed designs from small, quick changes to summer long projects
- Continued contracting throughout the school year

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## SKILLS AND CERTIFICATIONS

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|--|-------------------|
| • Certified SolidWorks Associate                             | • Microsoft Excel |
| • Part Machining with lathe, band saw, end mill, CNC machine | • Research        |
| • Product Development  | • OnShape         |
|  | • 3D Printing     |

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## AWARDS AND RECOGNITION

- President's List Fall 2023, Dean's List Spring 2024 – Spring 2025
- Outstanding Robotics Student, Class of 2023, South Carolina Governor's School for Science and Mathematics
- Entrepreneurship Award, Class of 2023, South Carolina Governor's School for Science and Mathematics
- SC Palmetto Fellows Scholarship Recipient
- AP Scholar with Distinction