

Emmet Johnson

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EDUCATION

University of South Carolina, Molinaroli College of Engineering and Computing

Columbia, SC

Bachelor of Science in Engineering

May 2027

University of South Carolina, College of Arts and Sciences

Columbia, SC

Bachelor of Science

May 2027

Majors: Computer Engineering & Mathematics

GPA: 4.0 / 4.0

Awards and Honors: President's Honor List Multiple Recipient | South Carolina LIFE Platinum Scholarship | University of South Carolina Capstone Scholar | Summer 2024 South Carolina Internship Program Recipient

Professional Experience

Student Success Center University of South Carolina

Columbia, SC

Peer Tutor

August 2024 – Present

- Provided peer tutoring for students in statistically challenging math courses with over a 30% fail rate, utilizing the Think-Pair-Share methodology to enhance understanding and promote collaborative learning, leading to improved academic performance and increased confidence.
- Conducted approximately 5 tutoring sessions per week.

TIGHITCO

Ladson, SC

Systems Engineering Intern

May 2024 – August 2024

- Developed and programmed ultrasonic inspection routines on a KUKA robot for NDT, ensuring precision in detecting flaws in carbon fiber components.
- Collaborated with Level III NDT specialist to refine testing protocols, leading to a 30% reduction in time per part and contributing to cost improvements.
- Reengineered non-conforming aerospace parts to meet stringent customer specifications, minimizing waste and significantly enhancing production efficiency and product reliability.

Halls Chophouse

Summerville, SC

Barback

May 2021 – August 2024

- Navigated a high-stakes, fine-dining bar environment with poise and efficiency as a dedicated barback, catering to over 300 guests per night.
- Developed strong soft skills through effective communication with prominent individuals, fostering a positive and welcoming atmosphere as a barback.

Leadership Experience

Alpha Kappa Psi – Beta Upsilon

Columbia, SC

Brother

October 2024 – Present

- Completed a rigorous application process, which involved networking with over seventy active fraternity members as well as alumni. Additionally, I competed in an initiation case competition and was awarded the "Best Speaker" honor, nominated by over 100 members.

AMPED MENTORSHIP

Columbia, SC

Peer Mentor at Hand Middle School

September 2023 – March 2024

- Mentored an 8th-grade student through middle school challenges, demonstrating leadership traits such as empathy, patience, and effective communication. Navigated the complexities of mentoring an 8th-grade student.

Other

Skills: Java, LightBurn, Forklift Certified, KRL Programming, HTML, Power BI

Interests: Automotive Manufacturing, Spike-ball, Control Theory, Seinfeld, Lego Enthusiast, Distance Running