

Mason B. Anton

(470)-345-0822

mason.b.anton@vanderbilt.edu

www.linkedin.com/in/mason-anton

www.masonanton.com

EDUCATION

Vanderbilt University, School of Engineering

Nashville, TN

Bachelor of Science in Computer Science, Bachelor of Science in Applied Math, Minor in Physics

May 2027

Cornelius Vanderbilt Scholar - Awarded with a 4-year full tuition scholarship and \$7,000 stipend for summer experience

- GPA: 3.96/4.0 | Dean's List
- Coursework: Operating Systems, Software Engineering, Software Design Patterns, Programming Languages, Algorithms, Computer Architecture, Data Structures, Linear Algebra, Differential Equations, Electrodynamics, Modern and Quantum Physics

PROFESSIONAL EXPERIENCE

Radial Theory

New York, NY

Software Engineering Intern

May 2025 - August 2025

- Developed and shipped full-stack features using Node (Express) and React for a hardware-integrated parking platform
- Owned and maintained the carousel simulation API, improving test reliability and accelerating hardware development cycles
- Built TypeScript remote device control service with SSH, automating hardware operations via the system API and AWS
- Designed MySQL-backed services and analyzed operational data with Python (NumPy, Pandas) to guide partner strategy

Vanderbilt Fusion Project

Nashville, TN

Chief Executive Officer

November 2024 - Present

- Orchestrate engineering and testing efforts for the only fully undergraduate group in the country building a nuclear fusion reactor
- Perform outreach and pitch to industry leading companies, executives, and professors for sponsorship opportunities and support
- Oversaw efforts to generate and sustain plasma for the first time, achieving continuous confinement for over three minutes

Software and Computational Physics Team Leader

December 2023 - Present

- Develop a control software integrating reactor hardware systems into a comprehensive interface with real-time data visualization
- Lead team of 10 in writing neutronics code to create preliminary simulations of IEC fusion for safety and optimization efforts

Advanced Concepts Team Member

September 2023 - November 2024

- Developed technologies to maximize efficiency of given IEC fusion device design, such as an anode layer ion gun
- Led new members in creation of miniature desktop-sized high-vacuum plasma device to learn fusion and engineering basics

Camp Ramaquois

Pomona, NY

Head Counselor

June 2021 - August 2024

- Mentored and supervised groups of 12-20 boys through summer camp, ensuring their safety and positive learning experiences
- Collaborated creatively with coworkers to design games and coach sports teams, winning league softball championship twice
- Tailored to campers with specific socialization or physical health needs, promoting personal development over the summer

LEADERSHIP

Vanderbilt American Nuclear Society

Nashville, TN

Founder/President

November 2024 - Present

- Lead the new Vanderbilt chapter of ANS to provide a collaborative makerspace for students interested in the nuclear industry
- Host events and initiatives for the Vanderbilt community to raise awareness for nuclear energy and teach relevant technical skills

Sigma Nu Sigma Chapter

Nashville, TN

President

November 2024 - Present

- Provide strategic leadership to engage 80+ members of fraternity in philanthropic, academic, and social efforts
- Manage budget exceeding \$80,000 per semester, balancing financial aid expansion with operational expenses and event funding
- Act as the primary liaison between the national fraternity incorporation, university, and chapter, ensuring compliance to standards

Kappa Theta Pi Rho Chapter

Nashville, TN

Vice President of Social Engagement

October 2024 - Present

- Coordinate inter- and intra-fraternity social events to connect pre-professional computer science fraternity with the community
- Plan networking workshops and panels to expose students interested in technology to relevant industries and workers

SKILLS AND INTERESTS

Languages: Python, C/C++, Java, JavaScript, TypeScript, SQL, MATLAB, HTML, CSS. Working proficiency in Spanish.

Tools/Frameworks: React, Node/Express, Git, GitHub/Gitlab, RESTful APIs, Docker, Linux, OpenMC, Agile Development.

Interests: Powerlifting, Backpacking, Guitar, Thrifting, Good Will Hunting, The New England Patriots, Jazz, DJing.