

# Mason B. Anton

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## 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: Software Design, Algorithms, Computer Architecture, Data Structures, Linear Algebra, Differential Equations

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## PROFESSIONAL EXPERIENCE

### Radial Theory

New York, NY

*Incoming Software Engineering Intern*

May 2025 - August 2025

- Develop, maintain, and deploy full-stack features for Radial Theory's parking platform using Node.js (Express) and React
- Design and query MySQL databases to support scalable backend services, ensuring data integrity and performance
- Perform data analysis using Python (NumPy, Pandas) to inform decision-making for both startup and government partners

### 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
- Adapt solutions to the unique needs of multiple startup and government clients in the fast-paced consulting environment

*Computational Physics Team Leader*

December 2023 - Present

- Research and develop future applications of IEC fusion devices such as radiation testing and medical isotope production
- 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

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## 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

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## SKILLS AND INTERESTS

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

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

**Interests:** Powerlifting, Backpacking, Guitar, Thrifting, Good Will Hunting, Quantum Mechanics, Jazz, DJing.