

# Mason B. Anton

(470)-345-0822

mason.b.anton@vanderbilt.edu

[www.linkedin.com/in/mason-anton](http://www.linkedin.com/in/mason-anton)

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## EDUCATION

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### Vanderbilt University, School of Engineering

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

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

- GPA: 3.94/4.0 | Dean's List

Nashville, TN

May 2027

### Mahwah High School

*Valedictorian in the 2023 Class of 192 students*

- GPA: 104.2/100 | ACT: 35

Mahwah, NJ

June 2023

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## PROFESSIONAL EXPERIENCE

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### Radial Theory

*Incoming Software Engineering Intern*

New York, NY

May 2025 - August 2025

### Vanderbilt Fusion Project

*Chief Executive Officer*

Nashville, TN

November 2024 - Present

- Orchestrate engineering 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
- Facilitate communication between the organization, university, and state safety board to secure reactor operational approval

*Computational Physics Team Leader*

December 2023 - Present

- Research and develop future applications of IEC fusion device 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

*Head Counselor*

Pomona, NY

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

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### Vanderbilt American Nuclear Society

*Founder/President*

Nashville, TN

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

*President*

Nashville, TN

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

*Vice President of Social Engagement*

Nashville, TN

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

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**Languages:** C++, JavaScript, Java, Python, MATLAB, HTML, CSS. Working proficiency and seal of biliteracy in Spanish.

**Tools:** Modern JS (React, Node, Express), NumPy, SciPy, Pandas, OpenMC, AutoCAD, Git, GitHub.

**Interests:** Powerlifting, Backpacking, Guitar, Thrifting, Good Will Hunting, Modern Physics, Jazz.