

# ANDREW NOONAN

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## EDUCATION

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### Vanderbilt University

*Bachelor of Engineering in Mechanical Engineering*  
*Minor in Computer Science | GPA: 3.81/4.0*

Nashville, TN

*Expected Graduation May 2023*

## WORK EXPERIENCE

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### Vanderbilt Aerospace Design Laboratory

*Research Assistant*

Nashville, TN

*May 2022 - August 2022*

- Researched and coordinated new collaboration between VADL and NASA Armstrong Flight Research Center
- Assisted with oil quality and aeration research on bench top and diesel engine test facilities
- Designed and developed novel control surface payload for trajectory manipulation as part of a small group

### SitelogIQ

*Solutions Development Intern*

Nashville, TN

*May 2021 - August 2021*

- Created customer-facing technical documents and project reports
- Wrote Python and Power Automate scripts to automate repetitive engineering tasks and facilitate communication between teams

### Barcelona Wine Bar

*Food Runner and Busser*

Nashville, TN

*May 2022 - July 2022*

- Provided excellent service to ensure customer satisfaction
- Maintained restaurant cleanliness and delivered food to customers

## LEADERSHIP AND SERVICE EXPERIENCE

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### Vanderbilt Aerospace Design Laboratory

*President and Project Manager*

Nashville, TN

*August 2022 - Present*

- Lead a 7x national champion high-powered rocket team for the NASA Student Launch competition
- Direct a 12-person engineering team to research, design, and launch a rocket with a novel robotic payload
- Conduct STEM outreach and hands-on educational activities to 300+ K-12 students and community members

### Vanderbilt University School of Engineering

*Teaching Assistant: Fluid Mechanics, Machining*

Nashville, TN

*August 2022 - Present*

- Host weekly office hours to guide students through advanced concepts of fluid mechanics
- Train students on machining operations to complete a semester-long project

### Theta Tau Engineering Fraternity

*Service Chair*

Nashville, TN

*August 2021 - January 2022*

- Organize service events, manage and log service hours for all members
- Participate in community service, brotherhood, and networking events

## AWARDS AND HONORS

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- **CABE Student Leadership Award:** One of two recipients in class from Connecticut Associate of Boards of Education for high school leadership
- **Dean's List:** Achieved Dean's list five of six semesters

## SKILLS AND HOBBIES

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- **Language:** Fluent in Spanish, learned and developed language skills while living in Ecuador for one year
- **Software & Programming:** SolidWorks, LabVIEW, MATLAB, Adobe Suite, C++, Java Parallelism, Python