

# Sean Gentry

## Student at Vanderbilt University School of Engineering

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## Education

### Vanderbilt University

Nashville, TN

2023 – 2027

Pursuing bachelor's degree in mechanical engineering with a minor in computer science | 3.98 GPA

- Questbridge Scholars Network
- Vandy Brazilian Jiu-Jitsu
- American Society of Mechanical Engineers
- Vandy Rocket Propulsion Group

### Osborn Park High School

Manassas, VA

2019 – 2023

Advanced High School Diploma and Biotechnology & Engineering certificate | 4.55 GPA, 99th percentile

- National Finalist for Kappa League Debate Team
- Regional Champion for Kappa League Debate Team
  - Competed in a debate team for a nationwide youth group sponsored by Kappa Alpha Psi Fraternity, Inc and reached Nationals twice, dedicating about 6 hours a week
- Varsity football, track and field, wrestling
  - Acted as leader in varsity football as DT, co-captain of throwers of track & field team, and wrestler, dedicating about 15 hours a week in-season
- Math and National Honor Society officer, OPHS branch
  - Acted as math tutor and induction subcommittee officer for Math Honor Society and National Honor Society

## Skills

### Programming

Object-Oriented Programming with Java, Python, game development with Unity and C#(3 years). Hacker at VandyHacks X (2023).

### 3D Modeling and CAD

Beginner experience in Fusion360, Solidworks, and Blender in developing 3D printed parts and 3D models. Beginner experience with AutoCAD (1 year)

### Foreign Languages

Beginner fluency in Japanese and intermediate fluency in Spanish. (3 years)

### Relevant coursework:

Physics: Mechanics  
Calculus: I, II, Multivariable  
General Chemistry I, II  
Biology  
CS 1101 Intro to Java  
CS 2201 Data Structures

## Work Experience

### Line Cook | Buffalo Wild Wings

Woodbridge, VA

2021-2023

Worked at Buffalo Wild Wings in cashier, greeter, server, expo and line cook positions in highschool on night shifts, dedicating about 15 hours a week

## Awards and Honors

### - Questbridge National College Match Scholar

- Recipient of over \$300,000 in financial aid as part of a 4-year agreement with Questbridge and Vanderbilt after being selected (late 2022) out of ~18,000 high school seniors, 5,613 finalists, and 1,755 matches nationwide

### - Micron Technology, Engineering, and Mathematics Scholar

- Recipient of \$2,500 scholarship in early 2023 from local county school chamber in partnership with Micron Technology for graduating high school seniors who plan to pursue a career in a Tech, Engineering and/or Math field

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