Sean E. Gentry

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EDUCATION

Vanderbilt University — Nashville, TN
B.E. Mechanical Engineering | Minor: Computer Science — *Expected May 2027*
Honors: Dean's List (Fall 2023), Questbridge National College Match Scholar — GPA: 3.98
Activities: Vandy Brazilian-Jiu-Jitsu, Questbridge Scholars Network

Osbourn Park Senior High School — Manassas, VA
Advanced High School Diploma | Biotechnology & Engineering Program — *June 2023*
Honors: Honor Roll (Fall 2019 – Spring 2023), Micron Technology Scholar, 99th Percentile — GPA: 4.55
Activities: Math Tutor, National Honor Society Induction Officer, Football, Track and Field, Debate Team

PROFESSIONAL EXPERIENCE

Buffalo Wild Wings — Woodbridge, VA
Line Cook — *June 2021 - August 2023*
- Worked at Buffalo Wild Wings in cashier, greeter, server, expo and line cook positions in high school on night shifts, dedicating about 15 hours a week

LEADERSHIP EXPERIENCE

Varsity Football, Track and Field *– Co-captain* — *June 2022 – May 2023*
- Acted as leader in varsity football as DE, co-captain of throwers of track & field team, and wrestler, dedicating about 15 hours a week in-season
- Received Student-Athlete Honor award and Senior Award

National Honor Society *– Induction Officer* — *September 2022 – May 2023*
- Acted as officer for my chapter of the National Honor Society in lead of the induction process for new members of NHS and planning the annual induction ceremony
- Inducted ~100 new members in 2022 and helped lead the induction ceremony in 2023

PROJECTS

GitHub Portfolio *– Portfolio website for my recent projects on GitHub using GitHub Pages* — *December 2023 – Present*
- Used HTML and CSS for a display of 3 projects (and counting) to code a website with GitHub Pages
- https://seangentree.github.io/portfolio/

Snake Game: Java Edition *– Remake of Snake game as an application only using Java Swing* — *December 2023*
- Used skills learned from CS 1101: Programming and Problem Solving to develop a recreation of the Snake game with 2 dynamic color options primarily utilizing extensions of JFrame and JPanel classes in Java
- https://github.com/seangentree/SnakeGame.java

RELEVANT COURSEWORK

Vanderbilt University
- CS 1101: Programming and Problem Solving
- CS 2201: Program Design and Data Structures
- Math 1301: Accelerated Single-Variable Calculus II
- Math 2300: Multivariable Calculus
- Chem 1601 + L, 1602 + L: General Chemistry + Lab
- Phys 1601 + L: General Physics I + Lab
- ES 140X: Intro to Engineering

SKILLS AND CERTIFICATES

Skills: Java, Python, HTML, CSS, Blender, Solidworks, GitHub
Awards: QuestBridge National College Match Scholarship (2022, 1,755 matches out of ~18k students); Micron Technology, Engineering, and Mathematics Scholarship (2023); Prince William County Chamber of Commerce Scholarship (2023)
Languages/Certifications: Intermediate in Spanish, beginner in Japanese, Biotechnology & Engineering certificate (2023)
Interests: Aerospace, nanotechnology, programming, game-development, software development