Abigail Paulus

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Respectful, trustworthy, and professional high school student with valuable learning skills aspiring to be an engineer.

Education

Florida Atlantic University	Bachelor of Science in Mechanical Engineering	August 2024 – July 2028
Atlantic Technical College	Web Development Certification	4.0 GPA	August 2023 - June 2025
J.P. Taravella High School	Weighed GPA 4.6	Top 6% of Class	August 2020 - June 2024

Relevant Coursework:
Cambridge AICE Merit Diploma | Engineering Honors | Game Development | Business & Entrepreneurship Principles

Skills & Qualifications

SolidWorks, SketchUp, Godot, GitHub, Visual Studio Code, Inkscape
Beginner in SolidWorks EPDM and SYSPRO ERP

Certifications:
Microsoft Word, Excel, and PowerPoint | Autodesk Inventor, AutoCAD, and Fusion360 | TestOut IT Fundamentals Pro
Adobe Photoshop | JavaScript, HTML & CSS

Experience

Coding Instructor Assistant

Code/Art   February 2024 - Present

- Instruct and mentor aspiring coders and educators in a range of programming languages including Scratch, JavaScript, Python, Mobile Apps, and HTML/CSS, while also collaborating with fellow leads.
- Verify the comprehension of lessons, facilitate attendance tracking, and establish a secure and supportive space for coders to thrive.
- Sustain regular communication with parents, providing updates on lessons and ensuring transparency about their child's progress regarding lessons.
- Contribute to program improvement by completing a detailed weekly report survey after each session, actively addressing any questions or concerns with the program manager.

STEM Tutor

Code Ninjas   September 2023 - February

- Utilize Scratch Jr. to introduce fundamental coding concepts to 5–7-year-olds and MakeCode Arcade for older beginners, facilitating engaging coding projects.
- Collaborate in refining the curriculum, actively contributing to its enhancement.
- Monitor and assess students' progress, ensuring effective communication with parents during pickup, providing valuable insights into their child's learning journey.
- Establish and maintain an enjoyable, structured learning environment, fostering a positive educational experience.

CAD Engineer (Internship)

Q'Straint   June 2023 - July 2023

- Collaborated with mentors and departments to track current inventory parts, finalize drawings, and fulfill work orders, ensuring seamless communication and coordination.
- Demonstrated proficiency in web development by creating an HTML, CSS, and JavaScript based website. This platform efficiently organized and filtered hardware and small parts in bulk.
- Authored a comprehensive instruction manual utilizing Microsoft Word for the replacement of a part in a mainstream product. This manual served as a template for similar components across their product line.
- Edited and enhanced an introductory handbook in OneNote, offering valuable insights for new engineers joining Q'Straint, facilitating a smoother onboarding process.

Accomplishments & Awards

2024 | Received 'A' Honor Roll Award
2023-24 | Appointed President of Engineering Club
2021-24 | Appointed Treasurer of Class of 2024 Student Government
2019-20 | Appointed Vice President of Graphic Design in School Virtual Business
2022 & 2023 | Outstanding Achievement Award for Engineering

Extra-curricular Activities

2021-Present | Class of 2024 Student Government
2020-Present | Engineering (SECME) Club
2020-21 | ACE (Architecture, Construction, Engineering) Mentoring