

Jonathan Wylie

Portfolio: jwylie.dev — Computer Science Student

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Education

University of Michigan - College of Engineering

Sept 2024 –

BS in Computer Science

- GPA: 4.0/4.0 - Dean's Honor List
- Currently enrolled as a second-year student with 79 credits to date; junior year status

Salem High School—International Baccalaureate Diploma

Sept 2020 – May 2024

Experience

KPIT Technologies Inc. - Software Engineering Intern

Summer 2025

- Helped develop a Python-based tool to intelligently merge electrical diagrams and vehicle function descriptions of automotive control modules, significantly improving the efficiency of electrical system documentation
- Developed a tool that analyzes multiple vehicle control module documents, automatically aligns corresponding sections side-by-side, and highlights differences in their content to streamline technical comparison and review

PARClife - Peer Mentor

2023–2025

- Provided social, behavioral, and academic support to teens and young adults with autism spectrum disorder at after-school and summer programs
- Developed and implemented individualized strategies to ensure each mentee's success

Projects

Formula 1 AI Radio Analyzer and Lap Visualizer

[f1-pitwall.vercel.app](#) [🔗](#)

- A 2-in-1 tool that uses a custom LLM and React graphics to provide unique insight on Formula 1 races
- Tools Used: React, Python, Hugging Face, FastAPI

Blackjack and Card Counting Trainer

[GitHub Repository](#) [🔗](#)

- A Blackjack simulator that trains decision-making and card-counting, offering real-time feedback and Monte Carlo-based true count tracking
- Tools Used: C++, SFML (C++ Library)

Virtual Card Trading Platform

[pacybase.fly.dev](#) [🔗](#)

- A full-stack website for users to post and filter trade requests for virtual trading card platform Madfut
- Tools Used: JavaScript, Node.js, MongoDB, HTML

Extracurricular Activities

- Active member in Hellenic Student Association, Michigan Hackers Club, IM sports (soccer, basketball)
- Liverpool International Academy Soccer (Elite 64 / NL PRO)—Traveled to the UK for soccer matches and training
- Hellenic Cultural Dance since 2017—Boys Greek dance group leader

Honors and Awards

- Regents Merit Scholarship and National Merit Scholarship Recipient
- U.S. House of Representatives' Volunteer of the Year (2024)

Technologies

Languages: C++, JavaScript, Python, HTML, CSS

Technologies: VS Code, Git, MongoDB, React, FastAPI