

# Jonathan Wylie

Portfolio: [jwylie.dev](https://jwylie.dev) — Computer Science Student

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## Education

### University of Michigan – College of Engineering

Aug 2024–May 2027

*BS in Computer Science, Minor in Mathematics (Expected)*

- GPA: 4.0/4.0 – Dean's Honor List
- Currently enrolled as a second-year student with 79 credits to date; junior year status
- Relevant Coursework: Data Structures & Algorithms, Computer Organization, Discrete Math, Linear Algebra

### Salem High School – International Baccalaureate Diploma

Sept 2020–May 2024

## Experience

### KPIT Technologies Inc. – Software Engineering Intern

Summer 2025

- Developed 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

### E-Commerce Platform for Pureformance, an Energy Drink Startup

In Progress

- Built as the company's primary sales channel, featuring caching, secure payment, and a scalable product catalog
- Tools Used: React, Node.js, MongoDB, Redis, Stripe

### Formula 1 AI Radio Analyzer and Lap Visualizer

[f1-pitwall.vercel.app](https://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)

## 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

## Skills

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

**Technologies:** Git, Node.js, MongoDB, React, Linux, FastAPI

**Interests:** Soccer, Golf, College Football, Basketball, Detroit Lions, Cooking