

Jonathan Wylie

Portfolio: 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 ↗
- 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