Jonathan Wylie

Portfolio: **jwylie.dev** — Computer Science Student

📍 Ann Arbor, MI   ✉ jwwylie1@gmail.com   📞 +1 (734) 431-2475   in jonathan-wylie   ⬡ jwwylie1

Education

University of Michigan – College of Engineering   *Aug 2024–May 2027*
BS in Computer Science (Expected), Minor in Mathematics

- GPA: 4.0/4.0 – James B. Angell Scholar, Dean's Honor List
- Regents Merit, National Merit, and William Clay Ford Jr. Scholarship Recipient
- Relevant Coursework: Computer Networks, Web Systems, Data Structures & Algorithms, Computer Organization, Optimization and Computational Methods, Discrete Math, Linear Algebra

Experience

KPIT Technologies Inc. – Software Engineering Intern   *Summer 2025*

- Developed a Python tool using pywin32 to intelligently merge Microsoft Visio electrical diagrams for automotive control modules, collaborating with a manager and partner to improve electrical system documentation efficiency.
- Developed a full-stack tool with a Django backend and JavaScript frontend that analyzes multiple vehicle control-module documents, aligns corresponding sections side-by-side, and highlights contextual differences using a Myers diff–based algorithm to streamline technical review.

Pureformance *drinkpureformance.com* ⬈ **– Freelance Full-Stack Developer**   *Sep 2025–Present*

- Engineered the startup's primary e-commerce platform using React & Node.js to support a growing customer base.
- Architected a scalable product catalog backed by MongoDB, integrated Redis caching to optimize load times, and implemented Stripe for secure payment processing.

PARClife – Peer Mentor   *2023–2025*

- Collaborated with a team to develop and implement individualized social, behavioral, and academic support strategies for 30+ teens and young adults with autism spectrum disorder across after-school and summer programs.
- U.S. House of Representatives' Volunteer of the Year

Projects

CourseCalc AI Full-Stack Web Application   *coursecalc.app* ⬈

- Architected a full-stack LLM web app that parses unstructured syllabi into structured JSON via the Gemini API, utilizing Supabase to manage secure user accounts and persistently save custom grade calculators.

Formula 1 AI Radio Analyzer and Lap Visualizer   *GitHub Repository* ⬈

- Built a 2-in-1 analytics tool using Python, FastAPI, and a custom Hugging Face LLM, with a React-based visualization layer to deliver unique insights on Formula 1 races.

Blackjack and Card Counting Trainer   *GitHub Repository* ⬈

- Built a Blackjack simulator in C++ using SFML that trains decision-making and card-counting, providing real-time feedback and Monte Carlo–based true count tracking.

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

Skills

Languages: C/C++, Python, JavaScript, SQL, HTML, CSS
Technologies: Git, React, Node.js, MongoDB, Linux/WSL, Flask, FastAPI
Interests: Liverpool (Soccer), Golf, Skiing, College Football