Austyn Nguyen

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Education

University of Michigan – Ann Arbor — Ann Arbor, MI
B.S.E. in Computer Science, B.S. in Economics; Minor in Entrepreneurship; ***GPA: 3.41/4.00*** — *Apr. 2028*
- Coursework: Data Structures/Algorithms, Computer Organization, Digital Logic Design, Probability & Statistics
- Study Abroad: Yonsei University, Seoul, South Korea

Howard Community College — Columbia, MD
A.A. in Computer Science, A.A. in General Studies (STEM); ***GPA: 4.00/4.00*** — *May 2024*
- Honors: Phi Theta Kappa, Frederick K. Schoenbrodt Scholar, Summa Cum Laude

Skills & Technical Tools

Languages: Python, Java, C, C++, Assembly, Verilog, SQL, MATLAB, JavaScript, HTML/CSS
Technologies: Git, Power BI, PowerApps, Power Automate, Azure, Fabric, DevOps, SharePoint, Excel, Pandas, Numpy, Matplotlib, Jupyter, Linux, MacOS, Windows

Experience

The Chemours Company — Wilmington, DE
Data Analyst Intern — *May 2025 – Present*
- Designed and deployed interactive dashboards in Power BI and SQL to surface trends in S&P Global trade data, directly supporting strategic decision-making across supply chain and commercial teams.
- Collaborated cross-functionally with business leaders to align KPIs with trade strategy, applying data modeling and DAX to drive actionable insights that informed key planning processes.
- Spearheaded integration of Git with Power BI and DevOps workflows; led training sessions that institutionalized analytics' best practices across business and IT units.

Michigan Medicine: Watson Lab — Ann Arbor, MI
Data Engineer — *Jan. 2025 – May 2025*
- Translated complex neural signal processing tasks into streamlined, reusable shell and MATLAB scripts—empowering PhD researchers to handle large-scale data without deep coding knowledge.
- Leveraged the open-source Spike2 API to organize 60-channel, 48-hour recordings (2TB+ of electrophysiological data) into structured, reproducible formats—streamlining team workflows and enabling scalable downstream analysis and visualization across neuroscience collaborators.

National Institute of Standards and Technology (NIST) — Gaithersburg, MD
Software Engineering Intern — *May 2024 – Aug. 2024*
- Designed and implemented an automated result submission framework using GitHub Actions, streamlining processing of 8+ benchmark results and automating validation with 100% accuracy to reduce manual effort and accelerate workflows.
- Deployed Git LFS to efficiently manage and store a 512+ GB dataset supporting 200+ phase field simulations, ensuring reliable data accessibility for research teams.
- Presented technical workflows and automation solutions to interdisciplinary research symposium, effectively communicating complex processes to diverse scientific audiences.

Activities & Leadership

Michigan Pops Orchestra — Ann Arbor, MI
Assistant Principal Violist — *Jan. 2025 – Present*
- Led viola sectionals to improve technique, rhythm, and musical cohesion.
- Engaged with Principal Violist and conductor to ensure section unity and dynamic balance across performances.

Zeta Pi Technical Fraternity — Ann Arbor, MI
Member at Large — *Sep. 2024 – Present*
- Conducted candidate interviews and membership deliberations to ensure a fair, thorough recruitment process.
- Led resume workshops to support members' professional development, improving their career readiness skills.

UM Autonomous Robotic Vehicles (UMARV) — Ann Arbor, MI
Business Analyst — *Sep. 2024 – Dec. 2024*
- Managed digital marketing across Instagram, LinkedIn, and X to boost engagement and visibility
- Coordinated sponsor outreach and events to support club initiatives and member opportunities