

DAVID NGUYEN

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Education

University of Michigan | *Dean's Honors List*

Expected Graduation: December 2027

B.S.E in Computer Science, Minor in Mathematics | GPA: 3.8/4.0

Ann Arbor, MI

Relevant Coursework: Data Structures and Algorithms, Computer Organization, Logic Design, Discrete Math, Probability, Linear Algebra, Multivariable Calculus

Experience

VOID Tech

January 2025 - Present

Software Developer

Ann Arbor, MI

- Engineered the backend infrastructure with a team of 3 developers for a subscription-based streaming platform, enabling users to watch God Said Give 'Em Drum Machines using **AWS S3** and **CloudFront** for optimized video delivery.
- Implemented an authentication and authorization account management systems using **PostgreSQL**, and ensuring confidentiality using **TypeScript** and **Next.js** for user sign up and logins.

Michigan Hackers

September 2024 - Present

Software Developer

Ann Arbor, MI

- Built an internship tracking platform with 10 other developers using **React.js**, **TypeScript**, and **Tailwind CSS** to assist students' ability to organize their applications in a competitive setting with a user friendly web application.
- Designed a dashboard page using **Supabase** for users to easily implement their own internship information efficiently and view the amount of active applications, total applications in a current time span, acceptance rate, and rejection rate.

N2K

November 2023 – July 2024

IT Intern

Fulton, MD

- Developed an internal website using **HubSpot** and **Adobe Photoshop** to advocate **20%** of the company to acquire the ISC2 Certified in Cybersecurity certification for higher organizational cybersecurity credibility in the IT industry.
- Organized client data using Excel Sheets and audited the company's self-diagnostic products for simpler data analytics to acquire over **\$200,000** from partnered companies and clients.
- Contributed to the development of cloud computing and cybersecurity online courses to assist their clients for IT examinations and become certified.

Springbrook High School

June 2023 – September 2023

IT Intern

Silver Spring, MD

- Troubleshooted and optimized over **600** previously distributed and broken student laptops to prepare **95%** of the laptops to the upcoming freshmen class.
- Configured the DNS and routed ethernet cables into hubs for multiple HP printers to enable optimal routing and usage for all staff faculties and students of over **2000** users.
- Revised over **50** different Boxlight Promethean boards and desktop computers with user-friendly interface for students and staff members.

Projects

Spotify Analysis | *Python, Pandas, NumPy, Matplotlib*

- Implemented the Spotipy library to analyze user Spotify statistics with their most listened artists, songs, genres, and era to give song recommendations to other users.
- Vizualized user's Spotify statistics using Matplotlib to assist the user discover trends and preferences.

Volunteering

Springbrook High School

October 2022 – June 2024

Academic Tutor

Silver Spring, MD

- Tutored students with Multivariable Calculus, AP Calculus, AP Chemistry, SAT Mathematics, Computer Programming using Python and JavaScript, and Cloud Computing using AWS and Azure to improve their exam scores and gain deeper insights in these topics.

Skills

Languages: C/C++, Python, HTML/CSS/JavaScript, MATLAB, Verilog

Technologies: React.js, Next.js, Pandas, NumPy, Git, AWS, Azure, Adobe Photoshop

Certifications: AWS Cloud Practitioner, Microsoft Azure Fundamentals, ISC2 Certified in Cybersecurity

Interests: Cutting hair, Investing, Weightlifting, Music, Volleyball, Basketball, Video Editing, Vietnamese Culture