

# 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 Electrical Engineering | GPA: 3.8/4.0*

*Ann Arbor, MI*

**Relevant Coursework:** Data Structures and Algorithms, Logic Design, Computer Organization, Discrete Math, Numerical Methods, Probability Theory, 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.

## Skills

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

**Technologies:** React.js, Next.js, Tailwind CSS, PostgreSQL, Supabase, Pandas, NumPy, Git, AWS, Azure

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

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