Jacob Nye

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WORK EXPERIENCE

US Signal - NOC Technician   September - December 2024
- Troubleshot Cisco ONS 15454 nodes using DWDM and SONET with Transport and OSP Engineers.
- Monitored network alarms via OpenNMS; resolved issues on backbone Adtran, Cisco, and Tellabs gear.
- Coordinated field tech dispatch and vendor escalations to resolve fiber cuts/issues within SLA targets.
- Managed change windows, maintenance events, and incident documentation using Salesforce.

Chipotle - Crew Member   September, 2025 - Present
- Worked in a fast-paced team environment, handling food prep and customer service.

EDUCATION & CERTIFICATIONS

University of Michigan - Dearborn   December, 2022
B.S. Software Engineering
- Graduated summa cum laude with GPA 3.97

Cisco Certified Network Associate (CCNA 200-301)   July, 2024

PROJECTS

Dodge Tracker – *React, Flask, Python, MySQL, Typescript, Tailwindcss*
Live tracks League of Legends dodges via Riot API. Full-stack app with continuous data polling and SQL-based player stat tracking. Uses threading to get faster checks for each region asynchronously.

Letterboxd Higher or Lower – *React, Express, PostgreSQL, Redis, Typescript, Axios, Cheerio, Tailwindcss*
Game where users pick the higher rated movie. Scraped 11,000 Letterboxd entries; stored in PostgresSQL. Redis for cache checking. Google OAuth2.0 logins. Cookie auto-login. Multiple difficulties. Backend anti-trust logic.

Chiv Pug Bot – *Typescript, Discord.js, Discord API, PostgreSQL, Redis, Railway*
Discord bot with 200+ active users for managing competitive pickup games. Built with Discord.js and the Discord API to handle event-driven commands. Implemented TrueSkill-based MMR, leaderboards, and persistent player/match history using PostgreSQL with Redis caching.

Class Guides – *PHP, MySQL, Javascript, Bootstrap 5*
Created a website for students to share, upvote, and make comments on helpful resources for UofM courses. Full CRUD, admin panel, search, comments and leaderboard.

Translation Networks – *PHP, Javascript, Bootstrap 4*
Refactored legacy media archive site used by UofM students. Worked with client to complete all user stories and backlogs, including WCAG 2.1 AA, search UX, dynamic forms, and layout per client feedback.

SKILLS

Languages: Python, C/C++, JavaScript, Typescript, SQL, HTML, CSS
Frameworks: React, Flask, Express, Tailwindcss, Nodejs
Networking: CCNA-level, DWDM, VLANs, OSPF, ACLs, DHCP, DNS, IPv4/6
Tools: Redis, VS Code, Git, Github, OpenNMS, Cisco Transport Controller, Salesforce