

Duy Nguyen

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EDUCATION

University of Michigan

B.S. in Computer Science (GPA: 3.4)

Ann Arbor, MI

Graduation Date: May 2023

- **Relevant Coursework:** Web Development, User Interface Development, Mobile App Development, Computer Security, Data Structures and Algorithms, Database Management, Computer Organization

SKILLS & CERTIFICATIONS

Programming Languages: C++, C, Python, HTML, CSS, JavaScript, SQL

Frameworks/Libraries: React.js, Node.js, Express.js, Heroku, Surge

Languages: Fluent Vietnamese. Fluent English

Certifications: [Hackerrank Problem Solving \(Intermediate\) Certificate](#)

EXPERIENCES

University of Michigan - Web Developer

Oct 2022 - Present

- Collaborated with 3 other developers to test, create and implement a responsive design for the [Empower](#) project.
- Responsible for website development and maintenance across the codebase. Required wide understanding of internal code created from WordPress.

Workday - Full Stack Web Development Intern | Remote

June 2022 – Aug 2022

- Selected into a cohort of 35 interns out of 1800+ applicants for a 10-week internship of full stack web development powered by CodePath.
- Accomplished 11 labs and 3 projects within 5 weeks consisting of frontend code, backend code, database management, testing, design and deployment of web applications.
- Paired with mentors from Workday's senior software engineering team and cooperated in a team of 3 SDEs to plan, develop and deploy a 5-week MVP web application in a SCRUM setting.

PROJECTS

Reciholic | PostgreSQL, Express.js, React.js, Node.js

[Github](#)

- Collaborated with 2 SDEs to launch a web application where users can search and save among 2000+ recipes with detailed instructions and ingredient list. Improved user experience by having a weekly meal plan option with auto-generated shopping list.
- Protected user's information by hashing password using bcrypt and constructed a security middleware to ensure users cannot access other user information.
- Applied the PERN stack and JSON web tokens to implement frontend and backend code. Established the web application with Surge and hosted the backend using Heroku.

Lifetracker | PostgreSQL, Express.js, React.js, Node.js

[Github](#) | [View Project](#)

- Developed a web application for users to track exercise, sleep and nutrition intake information featuring user session persistence using JSON web tokens and password hashing in REST API.
- Installed backend client and database on Heroku. Built front-end with Node.js/Vite and deployed UI client using Surge.
- Utilized Jest to write test cases and ensure error handling in both the front-end and backend for invalid inputs/outputs.

Discord Bot | Discord.js, Node.js

[Github](#)

- Built a discord bot to execute various commands regarding random responses as well as music commands to play music in a voice channel.
- Created the client and designed commands including playing a song, forming a queue, pausing and skipping a song with Discord.js and Node.js.

LEADERSHIP & INTERESTS

Eucharistic Youth Movement | Team Leader | Wyo, MI

Aug 2015 - June 2020

- Lead a group consisting of 30+ members with 2 other team leaders every Sunday and organized community events for the holidays.
- Performed in traditional culture dance to educate the youth about their backgrounds.

Interests: Survival games, volleyball, pickleball, reading webtoons.