

## Duy Nguyen

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### EDUCATION

#### University of Michigan

B.S. in Computer Science (GPA: 3.3)

Ann Arbor, MI

Graduation Date: May 2024

- **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

#### 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.
- Implemented frontend code, backend code, database management, testing, design and deployment of web applications.
- Paired with mentors from Workday's senior software engineering team and collaborated with a team of 3 SDEs to plan, develop and deploy a 4-week MVP web application in a SCRUM setting.

### PROJECTS

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

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

- Launched a web application that allow users to search, save and have access to 2000+ recipes with detailed instructions and ingredient list. Users can also share their own recipes and formulate personalized weekly meal plans with an auto-generated shopping list on the platform.
- Protected user's information by hashing password using **bcrypt** and constructed a security middleware to ensure that only the user have the ability to edit their 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 their 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 tests 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 that allow users to execute various commands to help them make a decision as well as music commands to play music in a voice channel.
- Implemented the client and created commands including playing a song, creating a queue, pausing and skipping a song with **Discord.js** and **Node.js**.
- Leveraged **ytdl-core** library to process user's song request and retrieve the information to create a playable music stream.

### LEADERSHIP & INTERESTS

**Eucharistic Youth Movement** | Team Leader | Wyo, MI

Aug 2015 - June 2020

**CodePath** | Community Member | Remote

June 2022 - Aug 2022

**Interests:** Survival games, volleyball, pickle ball, reading webtoons.