

Duy Nguyen

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EDUCATION

University of Michigan

B.S. in Computer Science (GPA: 3.44)

Ann Arbor, MI

May 2023

SKILLS & CERTIFICATIONS

Programming Languages: C/C++, Python, HTML, CSS, JavaScript, TypeScript, Java, SQL, Swift

Frameworks/Libraries: Flask, JQuery, AJAX, React, Node, Express, Figma, AWS, GCP, Git, Bootstrap

Languages: Fluent Vietnamese. Fluent English, Beginner Spanish

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

PROFESSIONAL EXPERIENCES

University of Michigan - Web Developer

Oct 2022 - May 2023

- Collaborated closely with developers to successfully test, create, and implement a highly responsive design for the [Empower](#) project, resulting in improved user experience and increased engagement.
- Took charge of website development and maintenance, utilizing my extensive expertise in the internal codebase developed with WordPress, ensuring seamless functionality and efficient performance.
- Played a pivotal role in introducing new features and enhancements to the website, actively contributing to its ongoing evolution and growth by leveraging my innovative thinking and problem-solving skills.

Workday - Full Stack Web Development Intern | Remote

June 2022 - Aug 2022

- 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

StatTrack | Python, Swift, Figma

[Github](#)

- Collaborated on a team of developers to gather and assess user requirements, and formulated an algorithm for detecting basketball shot attempts and determining if a shot was made or missed.
- Devised and developed the UI, ensuring a visually appealing and user-friendly interface.
- Aided in the usage of machine learning techniques such as TensorFlow Lite to train a model for detecting and analyzing shots and possession in basketball games.

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

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

- 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.

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.
- Implemented error handling in front-end and backend using Jest for writing comprehensive test cases, ensuring robustness against invalid inputs/outputs.

Endless Runner | JavaScript, HTML/CSS

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

- Implemented features such as multiple levels, power-ups, and obstacles to create an engaging gameplay experience.
- Utilized object-oriented programming principles to organize game code and improve maintainability.
- Deployed the game to a live website using Netlify, allowing players to access and play the game online.

LEADERSHIP & INTERESTS

Eucharistic Youth Movement | Team Leader | Wyo, MI

Aug 2015 - June 2020

- Performed in traditional culture dance to educate the youth about their backgrounds.
- Led a team of 30+ members as co-team leader, overseeing weekly meetings and orchestrating community events for holiday seasons.