

HUONG (AMY) Do

Madison, Wisconsin

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🌐 [LinkedIn](#)

📁 [Portfolio](#)

Education

University of Wisconsin, Madison

Bachelor of Science in Computer Science and Data Science

Expected Graduation: December 2024

Madison, WI

Experience

University of Wisconsin, Madison

Software Engineer

September 2023 – Present

Madison, WI

- Developed and maintained OHR websites and applications using **PHP/MySQL, JSON/jQuery**, JavaScript frameworks (**AngularJS, React**), and **SASS** tool, resulting in efficient and responsive designs.
- Pioneered advanced **WordPress** and **CMS** functionalities, integrating custom plugins and interfacing with **third-party APIs** using **Axios** and **Fetch API** methods. Ensured code versioning and collaboration through the extensive use of **GitLab**.
- Prioritized web accessibility and user experience, using **Bootstrap** and integrated external platforms seamlessly.
- Collaborated with developers and managers, maintaining high standards with **codebase, visuals, and editorial content**.

TANAAKK

Software Engineer Intern

May 2023 – August 2023

Danang, Vietnam

- Collaborated within a global team to develop Icuco, a web-based platform offering time management solutions tailored for kindergarten management systems using **React.js**.
- Search & Sorting**: Developed an accessible interface using semantic HTML, optimized for screen readers, with React-managed keyboard focus and event handlers. Implemented real-time form validation for user input feedback.
- User Authentication**: Simplified traditional username/password mechanism for less tech-knowledge staff, employing **Axios** for backend credential verification.
- Contributed to developing proficiency in **Java Spring** and **SQL**, enhanced backend operations, and managed a database consisting of **500,000+ records**.

University of Wisconsin, Madison

Academic Tutor

January 2023 – Present

Madison, WI

- Reinforced course content, assignments, and material for **300+** students in introductory CS courses weekly.

Projects

Social To Do(2023) | Full-Stack Mobile App | *React Native, JavaScript, Flask, SQLite*

Github

- Co-developed a React Native and Flask-based mobile app for UW students, integrating task management with social networking. Focused on backend integration using **Flask, SQLite, and Firebase** for efficient data handling and **Azure** for cloud hosting.
- Implemented key features like task management for personal organization, social interaction tools (posts, likes, comments), and profile customization, enabling users to collaborate on tasks with friends.
- Spearheaded UI improvements in React Native, ensuring intuitive, responsive design for a diverse user base. Enhanced user engagement through seamless, real-time interactions backed by optimized API endpoints and robust error handling.

Movie Finder(2023) | *React, JavaScript, HTML, CSS*

Demo & Github

- Developed a user-friendly platform, utilizing **React.js**, which provided dynamic search and explore movies, featuring an autocomplete search bar, detailed movie insights, and mobile-responsive design.
- Integrated **The Movie Database API**, accessing a database of **400,000+ movies** using asynchronous JavaScript, and ensure accurate and expedited data retrieval, processing over **500 API calls** daily for real-time information update.
- Engineered a recommendation engine providing personalized, genre-specific film suggestions through an intuitive UI, with a curated list of genres and dynamically loaded movie tiles based on user preferences.

Technical Skills

Languages: Java, JavaScript, Python, PHP, JSON, Julia 1.8, C/C++, C#

FrontEnd Technologies: React/React Native, HTML5, CSS3

BackEnd Technologies: SQL, GitHub, MongoDB, Git, Linux, MySQL

Leadership / Extracurricular

Association for Women in Computing (WACM)

Undergraduate Representative

September 2022 – Present

University of Wisconsin, Madison

- Led biweekly tech talks for **100+** women students on course selection, grad school choices, and interviews in CS.