

HUONG (AMY) Do

Madison, Wisconsin

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Education

University of Wisconsin, Madison

Expected Graduation: December 2024

Bachelor of Science in Computer Science and Data Science

Madison, WI

Coursework: AI, Database, Machine Organization and Programming, Optimization, Algorithms.

Experience

University of Wisconsin, Madison

September 2023 – Present

Software Engineer

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**.

TANAACK

May 2023 – August 2023

Software Engineer Intern

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.
- Developed **unit and integration tests** for new features, ensuring high-quality code and reliable user experiences.

University of Wisconsin, Madison

January 2023 – Present

Academic Tutor

Madison, WI

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

Projects

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.

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

Github

- Collaborated with a 4-member team to launch a **mobile app** blending task management and social networking for UW students, using React Native for the frontend and Flask with SQLite for the backend.
- Enhanced User Interface (UI) by designing and implementing **intuitive and responsive layouts** in React Native, improving overall user experience and app usability for diverse user groups.
- Developed **API endpoints in Flask**, facilitating efficient data fetching and synchronization between the mobile app and the backend. Implemented robust error handling and optimized response times to ensure smooth, real-time interactions for users.

Technical Skills

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

FrontEnd Technologies: React/React Native, HTML5, CSS3, AngularJS, Node.js

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

Leadership / Extracurricular

Association for Women in Computing (WACM)

September 2022 – Present

Undergraduate Representative

University of Wisconsin, Madison

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