

Huong “Amy” Do

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EDUCATION

University of Wisconsin, Madison, B.S., Computer Science

Expected Graduation: 12/2024

EXPERIENCE

University of Wisconsin, Madison

Madison, WI

Frontend Web Developer

09/2023 - Present

- Developed and maintained OHR websites and applications using **PHP/MySQL, JSON/jQuery**, JavaScript frameworks (**Vue, 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.
- 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**.

TANAANK

Danang, Vietnam

Software Engineer Intern

05/2023 - 08/2023

- Contributed to the development of **Icuco**, a web-based platform offering time management solutions designed specifically 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 Boot** and **SQL Server**, enhanced backend operations, and managed a database consisting of **500,000+ records**.

University of Wisconsin, Madison

Madison, WI

Academic Tutor

01/2023 - Present

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

PROJECTS

GeoWeather Task Manager (2023) | *AngularJS, JavaScript, HTML, CSS*

[Demo](#) | [Github](#)

- An application that dynamically displays tasks, current time, date, and local weather using the **OpenWeatherMap API**.

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

[Demo](#) | [Github](#)

- Developed a user-centric movie recommendation web application, utilizing **React.js** and The Movie **Database API** to deliver personalized film suggestions and detailed movie information.

AI Player (2023) | *Python*

[Github](#)

- Created a Python **AI game** player with minimax for move prediction. Features a scoring system for non-terminal states and functions to assess possible moves, providing human players with a challenging opponent.

Social To Do (2023) | *Java, Kotlin*

[Github](#)

- Led a 4-member team to develop an **Android Mobile App** that merges task management with social features, offering real-time sync, location-based tasks, social sharing, and collaboration, utilizing **Firebase, Google Maps, and Instabug API**.

Inventory Log Scheduler (2022) | *Java, Linux(Ubuntu)*

[Github](#)

- Led a 4-member team to create a **Java** app on **Linux** for delivery order management, handling **10,000+** daily **HTML** orders.

ACTIVITIES

Undergraduate Representative, Association for Women in Computing (WACM)

09/2022 - 05/2023

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

SKILLS

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

Frontend Technologies: React, JavaScript, HTML5, CSS3, AngularJS, TypeScript, Node.js

Backend Technologies: SQL, Linux, GitHub, Git, MySQL