Huong "Amy" Do

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SKILLS

Programming Languages: Java, TypeScript, Python, PHP, Go, JSON, Julia 1.8, C/C++, C#
Frontend Techniques: React, JavaScript, HTML5, CSS3, AngularJS, TypeScript, Node.js
Backend Techniques: SQL, Linux, GitHub, Git, MongoDB, MySQL

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.**

TANAAKK   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.