

Huong “Amy” Do

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OBJECTIVE: Computer Science undergraduate seeking a challenging Internship/Co-op to gain hands-on experience in software development and data analysis.

SKILLS:

- Programming Languages: Java, Python, C/C++, C#, JavaScript, TypeScript, SQL, Julia 1.8.
- Frontend Development: React, Node.js, JavaScript, HTML, CSS.
- Backend Development: SQL, MySQL.
- Tools/Tech: Linux, Mac OS, Git, GitHub Actions, IDEs (Eclipse, IntelliJ, VS Code).

EXPERIENCES:

Software Developer Intern, TANAAKK - Danang, Vietnam

06/2023 - Present

- Assisting in research and application of **SAAS** architecture on the **Azure** platform, using microservices to meet project requirements for kindergarten management systems.
- Developing proficiency in **Java Spring Boot** and **SQL Server**, enhancing backend operations, and managing a database consisting of **500,000+** records.
- Assimilating Agile software development processes, converting an average of **200+** customer needs per month into backlog items and timely releases for each sprint.

Academic Tutor, University of Wisconsin, Madison

01/2023 - 05/2023

- Reinforced course content, assignments, and material for **100+** students in introductory CS courses weekly.

Researcher, University of North Texas - Denton, Texas

01/2021 - 05/2021

- Conducted research about knot theory, tangle fractions, and the colorability of tangles, providing real-world examples and their mathematical interpretations.

PROJECTS:

Expenses Tracking

06/2023

- Developed an application that helps users to track and manage their expenses on a yearly basis using **JavaScript**, **HTML**, and **CSS**. It presents detailed charts and lists that showcase expense patterns, allowing users to identify their spending habits.

Sudoku-Solver

02/2023

- Designed a Sudoku Solver in **C**, utilizing the Siamese method, that solves any Sudoku puzzle represented as a 2D grid of a specified size. This project involved the strategic use of arrays, command-line arguments, file I/O, pointers, and structures, with debugging facilitated by **GDB**.

Inventory Log Scheduler

10/2022

- Developed a **Java**-based application on **Linux** to streamline and incentivize delivery orders, effectively managing over **10,000** daily orders stored in **HTML** format.
- Devised the initial algorithm to enhance system reliability, security, and maintainability, contributing to a **25%** decrease in system downtimes and a **40%** improvement in data security measures.

Book Mapper

09/2022

- Led a team of 4 to develop a **Java**-based application on **Linux** that enhanced user experience by optimizing the sorting of **11,000+** books stored in CSV format.

ACTIVITIES:

Undergraduate Representative, Association for Women in Computing (WACM)

09/2022 - 05/2023

- Hold biweekly tech talks to exchange course selection, grad school vs. industry, scholarship applications, interview preparations, and building networks in computer science with **50+** students.

EDUCATION:

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

Expected Graduation: 12/2024

- Coursework: Algorithm & Data Structure, AI, Machine Organization & Programming, Optimization.

Richland College - Dallas, Texas

08/2019 - 12/2021