Huong “Amy” Do

dothienhuong2701@gmail.com | (214) 430-1849 | https://www.linkedin.com/in/huong-thien-do | https://dth2701.github.io

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#, Swift, JavaScript, Kotlin, TypeScript, SQL, Julia 1.8.
- Frontend Development: React, Node.js, JavaScript, HTML, CSS.
- Backend Development: MySQL.
- Tools/Tech: Linux, Mac Os, Git, GitHub Actions, IDEs (Eclipse, IntelliJ, VS Code).

PROJECTS:

Software Sub-team, BadgerFly 11/2022 - 05/2023

- Collaborate to build an autonomous drone to participate in Vertical Flight Society’s 2023.
- Operate controlling parts by using QGroundControl to provide full flight control and mission planning of vertical take-off and landing (VTOL) using **Raspberry Pi** and **Python.**

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** orders per day 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

EXPERIENCES:

Academic Tutor, University of Wisconsin, Madison 01/2023 - 05/2023

- Reinforced course content, assignments, and material for **100**+ students in basic CS courses weekly.
- Attended weekly training meetings to keep abreast of relevant course information.

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.
- Certification: Certificate of Completion in the STEM Ambassador Program - 2021.

ACTIVITIES:

Undergraduate Representative, Association for Women in Computing (WACM) 09/2022 - 05/2023

- Presented biweekly events to exchange course selection, grad school vs. industry, scholarship applications, interview preparations, and building networks in computer science with **50+** students.
- Collaborated with companies to hold tech talks and networking events typically as a lunch.

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