

# 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#, Julia, HTML, JavaScript, React, CSS, TypeScript, SQL.
- Tools/Tech: Linux, Mac Os, Git, GitHub Actions, IDEs (Eclipse, IntelliJ, VS Code).
- Strong interpersonal and teamwork skills.

## PROJECTS:

- **Software Sub-team, BadgerFly**, University of Wisconsin, Madison 11/2022 - present
  - Collaborate to build an autonomous drone using Raspberry Pi and Python 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).
- **Sudoku-Solver** 02/2023 - 03/2023
  - Designed a Sudoku Solver that solves any Sudoku Puzzle, represented as a 2D grid of a specified size and generates it to an output file by using the Siamese method using C and GDB; strategies used were arrays, command-line arguments, file I/O, pointers, and structures in C.
- **Algorithm Engineer** 10/2022 - 11/2022
  - Led a team of 4 to produce an application to streamline and incentivize delivery orders organization stored in HTML format for customers using Java and Linux.
  - Devised initial algorithm to improve reliability, security, and maintainability of the system.
- **Backend Developer** 09/2022 - 10/2022
  - Led a team of 4 to develop an application to sort through 11,000+ books in CSV format to improve user experience to minimize average searching time using Java and Linux.
  - Operated system functionality to iterate over all the values to secure, manipulate and present data.

## EXPERIENCES:

- **Academic Tutor**, University of Wisconsin, Madison 02/2023 - Present
  - Reinforce course content, assignments, and material for students in peer using Java weekly.
  - Attend weekly tutor training and meetings to discuss teaching techniques and stay up-to-date on relevant course information.
- **Researcher**, University of North Texas - Denton, Texas 01/2021 - 05/2021
  - Collaborated to document a 5-page research paper about the structure of the Knot theory.
  - Certification: Certificate of Completion in the STEM Ambassador Program - 2021.

## ACTIVITIES:

- **Undergraduate Representative**, Association for Women in Computing 09/2022 - Present
  - Collaborate with companies to hold tech talks and networking events typically as a lunch.
  - Present biweekly events to exchange course selection, grad school vs. industry, scholarship applications, interview preparations, and building networks in computer science.

## EDUCATION:

**University of Wisconsin, Madison** - Wisconsin, Madison

**Graduation: May 2024**

- Bachelor of Science in Computer Science.
- Bachelor of Science in Data Science.
- Coursework: Algorithm & Data Structure, AI, Machine Organization & Programming, Optimization.

**Richland College** - Dallas, Texas

08/2019 - 12/2021