

Wilhen Alberto Hui Mei

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Education

University of Massachusetts Boston, Boston, MA

May 2024

Computer Science – Bachelor of Science

GPA: 3.91 | Honors College | Dean's List

Relevant Coursework: Introduction to Python, Programming in C, Data Structures and Algorithms in Java, Object-Oriented Programming, Discrete Mathematics, Linear Algebra, Probability and Statistics, Calculus I & II, Physics I & II, Social Issues and Ethics in Computing.

Skills

- **Programming:** Python, Java, C, HTML, CSS, JavaScript.
- **Tools:** PyCharm, IntelliJ, CodeBlocks, Visual Studio Code, Github, PuTTY, WinSCP, Console/Terminal, LaTeX, VMWare, Microsoft Office Suite, Google Workspace for Education (Google Drive, Gmail, etc.).
- **Language:** Fluent in Spanish, Chinese (Cantonese), and proficient in French.

Projects

Number of Islands – Java

Fall 2022

University of Massachusetts Boston, Boston, MA

- Computed the number of “islands” in a $N \times N$ 2D array, where squares can be occupied or empty (true/false). An island can be represented by an occupied square or a group of occupied squares that share common edges (north, west, south, east).
- Implemented a greedy recursive approach to add islands into an array list of sets containing occupied squares and calculated the size and number of islands in the grid.

Mini-projects – HTML, CSS, and JavaScript

Summer 2022

Personal Project

- Created small websites to learn more about front-end development (ex. Bible quiz, personal portfolio, market website, and simple menu for a bakery).

8-Puzzle – Java

Spring 2021

University of Massachusetts Boston, Boston, MA

- Developed a data type to represent a board in the 8-puzzle game using priority queues, linked stacks, 2D arrays, and Manhattan and Hamming distances algorithms, which determine the distance between the initial and final points.
- Implemented a data type that uses A* algorithm for solving 8-puzzle and its generalizations.

Work Experience

Retail Sales Associate – Office Supplies

Sep. 2020 – Present

Staples Inc., Weymouth, MA

- Worked with several hundred customers a week to provide excellent customer service in a busy work environment.
- Stocked and organized store merchandise, ensuring customers would be able to shop comfortably.
- Provided translation to customers who spoke Spanish and Chinese and fulfilled their needs.

Involvement

Computer Science Club – Officer

Jan. 2022 – Present

University of Massachusetts Boston, Boston, MA

- Assisted the president with running meetings once a week, guided students with setting up their laptops, and provided videos and other resources to newcomers for learning purposes.
- Helped share club's goals and details on our Discord server and computer science classrooms to attract students looking to hear from guest speakers from different fields and tech industries, workshops, and other opportunities.

College of Mathematics and Science (CSM) Ambassadors – Ambassador

Sep. 2021 – May 2022

University of Massachusetts Boston, Boston, MA

- Provided incoming freshmen and families with necessary information regarding the College of Mathematics and Science in Information Sessions, Welcome Days, and Open Houses.
- Worked under the Student Success Center's guidance to provide better college experience to new students, such as communication and leadership skills.

Memberships and Awards

- Alpha Lambda Delta Honor Society
 - University of Massachusetts Boston Honors College
 - National Honor Society
 - CareerSafe Certified for IT
- May 2021 – Present
Sep. 2020 – Present
Sep. 2019
Jun. 2018