

Wilhen Alberto Hui Mei

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Education

University of Massachusetts Boston
Computer Science – Bachelor of Science
GPA: 3.9 | Honors College | Dean's List

May 2024

Relevant Coursework: Data Structures and Algorithms in Java, Object-Oriented Programming, Introduction to Artificial Intelligence, Discrete Mathematics, Linear Algebra, Probability and Statistics, Social Issues and Ethics in Computing, Computer Architecture and Organization, Operating Systems, Introduction to the Theory of Computation.

Skills

- **Programming:**
 - Proficient: Python, Java, C, JavaScript, HTML5, CSS3.
 - Exposure: NumPy, Keras, C#, Assembly (Intel i386), R, Unity, Arduino.
- **Technologies:** Office, Visual Studio Code, GitHub, PyCharm, IntelliJ, PuTTY, WinSCP, Console/Terminal, LaTeX, VMWare.
- **Languages:** Fluent in Spanish, Chinese (Cantonese), and proficient in French.

Projects

Neural Network Training with Keras | Python | University of Massachusetts Boston

Spring 2023

- Trained a neural network on 4000 train samples and 1000 test samples using Keras to evaluate collaborative performance on 20 chefs on projects.
- Utilized a Sequential model from Keras to specify our neural network: input to output layers through hidden layers in between and trained the model with various number of epochs and batch sizes for testing purposes.
- Calculated prediction accuracy of the neural network and reported metrics (e.g., tasks completion, monetary gains/losses).

N-Queens Puzzle | Python | University of Massachusetts Boston

Spring 2023

- Implemented a backtracking algorithm to solve the N-Queens puzzle, which involved placing N queens in an N x N chessboard without them attacking each other, diagonally, horizontally, or vertically.
- Developed a degree heuristics function to select the variables with the most constraints within the same column, improving the efficiency of the solution.
- Employed Arc-Consistency-3 and Forward Checking algorithms to remove positions within the board to avoid redundant searches.

Mini projects | HTML, CSS, and JavaScript | Personal Projects

Summer 2022

- Created small websites to learn more about front-end development (ex. Bible quiz, personal portfolio, etc).

Work Experience

Retail Sales Associate | Staples Inc. | Weymouth, MA

Sep. 2020 – Present

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

Involvement

Sloan Student Fellow | Sloan Fellowship | University of Massachusetts Boston

Jun. 2023 – Present

- Participated in a 6-week summer professional development called the Leadership Academy, from UMass Amherst, which is a live, online professional development program with other students in tech and engineering.
- Commit to a mentored research experience in Prof. Funda Durupinar Babur's lab in the topics of artificial intelligence, computer graphics, and human-computer interaction.
- Expect to develop interactive applications using Unity game engine, C#, and Python.

Session Runner | Computer Science Club | University of Massachusetts Boston

Jan. 2022 – Present

- Collaborated on organizing a hackathon, club activities, and sessions to share information about the computer science major, career paths, and concepts that may or may not have been discussed during lectures.
- Promoted club's goals and events on our social media accounts and classrooms to attract students looking to hear from guest speakers from different fields and tech industries, workshops, and other opportunities.

Ambassador | College of Mathematics and Science Ambassadors | University of Massachusetts Boston

Sep. 2021 – May 2022

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

Memberships and Awards

- 2023 Leadership Academy Certificate
- Alpha Lambda Delta Honor Society
- University of Massachusetts Boston Honors College
- CareerSafe Certified for IT

Aug. 2023

May 2021 – Present

Sep. 2020 – Present

Jun. 2020