

Kenichi Maeda

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Objective

Current Computer science undergraduate with solid skills of programming. Actively looking for opportunities related to application / AI development to gain experience and skills.

Education

- **University of Massachusetts Boston**, Boston, MA Fall 2021– present
Major: Computer Science (BS) & Minor: Mathematics | GPA: 4.00

Awards and Scholarships

- Dean's List Fall 2021– present
- Chancellor's Scholarship Fall 2021– present
- The Alton J. Brann Endowed Scholarships May 2023
- The Paul English Scholarship May 2023

Relevant Coursework

CS220 Discrete Mathematics	CS460 Graphics
CS310 Advanced Data Structures and Algorithms	MATH260 Linear Algebra
CS341 Computer Architecture and Organization	MATH291 An Introduction to Mathematical Software
CS420 An Introduction to the Theory of Computation	MATH345 Statistics and Probabilities
CS438 Applied Machine Learning	

Technical Skills

- **Platforms:**
Linux, Windows, Mac
- **Programming Languages:**
Python, Java, C, C++, HTML, CSS, Java Script, i386 Assembly Language, Octave, MySQL
- **Software:**
Web-Application Development (react, Django), Data Analysis (Numpy, Pandas, Matplotlib, Power BI), Machine Learning (Keras, TensorFlow), Deep Learning, Android Development (Java), Graphics (three.js, WebGL), Image Processing (OpenCV)
- **Development Tools:**
Pycharm, IntelliJ, VS Code, Jupiter Notebook, GitHub, VMware workstation, Overleaf, Android Studio, Git
- **Other:**
Arduino, Microsoft Excel, Word, PowerPoint, Latex, Sketchup, Matlab (StateFlow, AppDesign), Mathematica

Work Experience

Summer Internship (NASA The George C. Marshall Space Flight Center) Jun 2023 – Aug 2023

- Assisted with the development and analysis for a quadcopter control system to fly through a simulated orbital habitat
- Worked on pathfinding in a networked system with a vision-based sensor
- Collaborated with a human factors engineering team to lay a foundation for upcoming testing and implementation

Supplement Instruction Leader (University of Massachusetts Boston) Jan 2023 – Present

- Led interactive discussions in Computer Science Courses (The Intro to Computing and the Intermediate Computing with Data Structures) four times a week and offered one-on-one tutoring as needed.
- Assisted students with their learning and fostered conducive learning environments

Teaching Assistant (University of Massachusetts Boston) Jun 2022 – Dec 2022

- Assisted teachers in the planning, implementation, and facilitation of lessons including grading
- Provided assistance to students during discussions, further enhancing their learning experience

Project Experience

MBTA Guide 2022 Summer

- Created a program showing the shortest route and time for given two MBTA stations.
- Using an EdgeWeightedGraph and the Dijkstra's Algorithm.

Dow-Jones-Industrial-Average-Info

2022 Summer

- Created an application showing the list of the Dow Jones Industrial Average and its corresponding stock price data (e.g., volume, opening price).

Languages

English and Japanese

Memberships

- IEEE Computer Society