

Don Yitong Ma

Innovative Ideas and Take Actions

420 West Dayton
Madison, WI 53703
608-556-8702

dyma2@wisc.edu or don.ma@donyt.ma

Experience

6/2022 ~ 7/2022

Amazon Web Services, Remote – Intern

- Study the essential AWS services and common solutions. Learn the fundamental AWS concepts related to compute, database, storage, networking, monitoring, and security.

6/2019 ~ 8/2019

Yunnan Yuandao Technology Limited, Yunnan, China – Intern

- Joined the training of CMMI Level 4 program and studied at the department of web development.
- Practiced the programming languages I already knew, learned the basics of Python and SQL, which are efficient for analyzing, manipulating, and storing data, and got a taste of data security and network defense.

Education

9/2021 ~ Current

University of Wisconsin, Madison, WI – BS in CS and Stats

GPA: 3.63/4.0

Highlights Courses: Intro to Computer Engineering (A),
Programming II (AB), Programming III (AB)

6/2020 ~ 6/2021

De Anza College, Cupertino, CA – High School Dual Enrollment

GPA: 3.84/4.0

Courses Taken: Python Programming (A), Network Security (A), Ethical Hacking (A), Web Page Development (A), Discrete Math (B+)

6/2020 ~ 6/2021

Mendocino College, Ukiah, CA – High School Dual Enrollment

GPA: 4.0/4.0

Courses Taken: Intro to Computer Science (A), Digital Art (A), Linear Algebra (A), Principles of Microeconomics (A), Programming and Algorithms I (A), American Government (A)

Skills

Python, Java, SQL, HTML, CSS, JS,
Typescript, Angular(learning),
Swift(learning)

Webpage Development

Simple Game Design and Build

Basic Knowledge of Artificial
Intelligence and Machine Learning

Basic Knowledge and Implementation
of AWS

Language

English, Chinese

Academic Involvements and Projects

6/2020 ~ Current

AI Stock Trading Program

- I have built an intraday short term trading program using Python and the API of Alpaca. The program is running successfully on the paper trade, but still working on the improvements.
- The central idea of this program is using a trained model to determine which trading strategy to be used.

7/2022 ~ Current

Research Paper on Minimax Tree and Alpha-Beta Pruning

- I am currently working on a research paper that focuses on the implementation of Minimax Tree and Alpha-Beta Pruning in AIs of different board games and the improvements of the algorithms.

7/2022 ~ 8/2022

Gobang Chess AI Design and Build

- Worked as a team of four to design and build an AI for board game Gobang. We designed and built a Gobang AI based on Minimax Tree, Alpha-Beta Pruning, and some tactics in this chess game.
- As the leader, I organized the team, assigned jobs to each team member, keeping good communication between members.
- Besides the leader job, I was responsible for the implementation of tactics and algorithm improvements; moreover, I had to merge each part of the program and fix the bugs.

10/2019 ~ 8/2021

Website Development for Buddhist Organization DRBA

- Worked as a team of four to develop a web page (designed to be put onto a touchscreen TV) that introduces Buddhism to those who visited this Buddhist temple, using JavaScript and HTML.
- Collected materials and had them to be multi-language and readily comprehensible, built a main framework that had hyperlinks connecting to various tabs, and set up an auto-email-send system to share the materials to interested tourists.
- It is used offline at the temple now, and we are working to make it online with a better design.

7/2021

Python Video Game Creation, guided by Professor Pai at Mendocino College

- Created a video game with Python from the idea of the first-fixed shooter video game *Space Invaders* and optimized it with pixel images.

3/2020

M3 Math Modeling, guided by Dr. Koay

- Worked as a team of five to model the “turnover from diesel to electric trucks,” analyze infrastructure, economic and environmental implications in math works.
- My part was to create a mathematical model that provided the best way to develop electric charging infrastructure along all major trucking routes.
- I used Python to write a web-scraping program that retrieves the possible data and the link with keywords input and uses MATLAB to make a graph and regression.