

Helen Mah

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Engineering with a minor in Mathematics

Dean's Honor Award (2020-2022) Cumulative GPA: 3.98/4.0

- Relevant Courses: Data Structures and Algorithms, Electric Circuit Theory, Design and Analysis of Algorithms, Digital Integrated Circuit Design, Microcomputer Systems, Machine Learning, Artificial Intelligence, Software Reverse Engineering
- Specializations: Artificial Intelligence, Intelligent Systems, Machine Learning, Natural Language Processing

COLLEGE STATION, TX

August 2020–Present

Expected to graduate in May 2024

Liberal Arts & Science Academy High School

- Trustees' Scholar Award, AP Scholar with Distinction Award, National Honor Society

AUSTIN, TX

August 2016–May 2020

EXPERIENCE

Texas A&M University:

Peer Teacher, Texas A&M University, College of Engineering

Aug 2021–Present

- Engineering Lab I – Dr. Matthew K. Morte
 - Assisted in teaching Python to new coders and managed students' academic performance throughout the semester
 - Host group study sessions with about 10 students for assistance in python projects as well as exam preparation
- Experimental Physics & Engineering Lab II – Dr. Anthony T. Cahill
 - Gave lectures on lab procedures and was responsible for making sure all students understood and performed the lab correctly
 - Attend weekly meetings with the professor to run through the lab previous to class and discuss any additional information

Peer Mentor, Texas A&M University

Aug 2022–Present

- Mentor three engineering freshmen with the goal of enhancing their educational and social experiences as first year college students
- Received mentor training as well as opportunities to improve my leadership skills through activities and events

Korean-American Scientists & Engineers Association (KSEA)

Aug 2021–Present

Secretary

- Serving on 6-member board to provide members with career development and community service opportunities
- Organize and lead officer meetings and make sure all members are up-to date with the resources & events provided by the national board
- Communicate with companies and professors to host guest speakers and send follow-up thank you emails
- In a team of undergraduate students to create an official website for the organization, using React, JavaScript, and MongoDB

Club of Aggie Female Engineers (CAFE)

Sep 2021–Present

Member

- Network opportunities to make connections with other engineering students, professors, and company representatives
- Guidance for academic excellence through career development events such as guest speakers and workshops

Activities & Competitions:

Kaggle, Machine Learning and Data Science Community

Apr 2020–Present

- Took several online courses on topics including machine learning, data science, data visualization, and pandas
- Participated in several competitions that used data science skills to find the most efficient solutions to different types of problems

HowdyHack, Hackathon

September 2021

- Used React, JavaScript, HTML, and CSS to create a website that finds the shortest combination of bus routes around campus
- In charge of the UI to make the website easier to navigate and convenient for students to use
- Assisted in setting up the database software to store A&Ms bus route information and retrieve the correct routes in proper order

Datathon, Hackathon

October 2021

- Used Python and Java to find data driven solutions to problems dealing with the real-world problems from the participating companies
 - For GM, we analysed data for damaged vehicles and tried to find the likely causes of wreckages and their possible solutions
- Participated in lectures and workshops to learn more about how data structures and algorithms can be helpful in data science

PERSONAL PROJECTS

AggieMarket

May 2022–Present

- Self-taught Dart and Flutter to make a mobile app that allows Texas A&M students to sell and purchase items through the app.
- Split up the project into smaller parts and worked on one page layout at a time and set my own deadlines to stay on track
- Experienced intensive troubleshooting and debugging due to the recentness of the platform and lack of resources
- Learned to utilize various software such as Postman and Android Studio to demonstrate and test individual functions of the app

SKILLS

- Proficient in C++, Python, Java, Dart, Flutter, and LaTeX
- Familiar with React, JavaScript, HTML, CSS, and Pandas
- Teamwork, Problem Solving, Critical Thinking, Time Management
- Fluent in English and Korean