Mae Chen

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EDUCATION:

University of Colorado at Boulder   May 2026
Computer Science BS, Minor in Business (GPA: 3.932)
- Relevant Courses: Data Structures, Global Engineering, Linear Algebra, Discrete Math, Calculus 2, Physics 1

Herbst Fellow
- Published personal essay in Spring 2023 Colorado Engineering Magazine on how Generative AI impacts the modern experience of what it means to be human.

SKILLS AND INTERESTS:

Technical Skills: Python, C#, C++, JavaScript, HTML, CSS, React, Git, GitHub, Linux, Adobe Illustrator, Figma
Interests: Software Engineering, Artificial Intelligence, Quantitative Trading, Full Stack Developer

PROJECT AND ACTIVITIES:

IMBD Movie Data, 3 Hours/Week   March 2023 – May 2023
- Utilizes C++ to create a movie database using a hash table and a skip list.
- Created custom hash function that minimizes collisions to ensure efficient insertion and retrieval of movies.
- Implemented probabilistic linked list for efficient search, insertion, and deletion of elements.

Silver Hollow Text Based Adventure Game, 24-Hour Hackathon   March 2023
- HackCU-9 Beginner Track Winner.
- Structured and calculated possibilities of player sequence.
- Learned how to generate text images in C++ and SSH key to connect to GitHub.

Google Developer Student Club, 2 Hours/Week   January 2022 – Present
- Built custom Google Chat bot with Python on Google Cloud using the ChatGPT and Image APIs from OpenAI.
- Attended coding workshops to gain familiarity with Firebase and Flutter.

Alien Restaurant Command Line Game, 3 Hours/Week   November 2022 – December 2022
- Programmed object-oriented classes in C++.
- Includes functions that execute random probability and sorting.
- Map class employs 2D array to track player position.

Capstone Project, 7 Hours/Week   August 2021 – May 2022
- Coded real-time frequency processing database in Python.
- Employed local API to integrate sound processing database with WinForms application in C#.
- Used HTML and CSS to design published website that displays my progress journals and resulting application.

LEADERSHIP:

CU Boulder Women of Color in STEM   April 2023 - Present
Treasurer, 3 Hours/Week   *Boulder, CO*
- Efficiently manage and secure the budget by applying for funds from the school's computer science department.
- Organize and create receipts on Excel to submit semester budget reports.

Rocky Mountain AI Interest Group   April 2023 – Present
Executive Director, 3 Hours/Week   *Boulder, CO*
- Organize and moderate meetings by constructing monthly agendas and inviting speakers.
- Publicize meetings through media and review draft outgoing emails to members.

Scholars Of Finance   September 2022 – Present
VP of Member Experience, 4 Hours/Week.   *Boulder, CO*
- Committed to weekly meetings about understanding public and private markets, equity, direct lending, and securities.
- Completed 7-week leadership development program about ethics in finance and reflected on values to, ultimately, create my own personal mission statement.

Business and Engineering Women in Technology   August 2022 – Present
Scholar, 3 Hours/Week   *Boulder, CO*
- Participated in weekly seminars to develop leadership skills around failure, management, and communication.
- Engaged in workshops about Diversity, Equity, and Inclusion, and the intersections of business and engineering.