Ian Marchbank

✉ ian@marchbank.dev 🌐 marchbank.dev github.com/ianrm02 | 🔗 linkedin.com/in/ian-marchbank

Education

Colorado School of Mines, Golden, CO

Bachelors of Science, Computer Science   December 2024

Minor, Applied Math and Statistics

Overall GPA: 3.96 | Major Specific GPA: 4.0 | Summa Cum Laude

Relevant Coursework

- Advanced Software Engineering
- Machine Learning
- Algorithms
- Statistical Modeling
- Database Management
- Info Security & Privacy

Skills

Languages: Java, JavaScript, SQL, C++, Python, HTML, CSS, R
Tools: Git, Vim, VS Code, Linux OS, Docker, Agile, Scrum, TDD
Other Skills: English (Native), Spanish (B2)

Work Experience

Colorado School of Mines, Golden, CO   August 2022 - Present

Lead Teaching Assistant

- Assisting Professors by grading, proctoring exams, hosting office hours, and corresponding with **nearly 500 students**
- **Managing a team** of Teaching Assistants to **ensure consistency** and fairness between all class sections
- Helped Professor create a **masters level** data science course by writing assignments/quizzes and providing feedback
- Worked for a variety of courses: Intro to CS, **Data Science**, Discrete Math, and **Software Engineering**

Houston Gymnastics Academy, Houston, TX   May 2021 - August 2021

Coach

- Developed professional coaching and communication skills to train athletes
- Worked with former **US Olympic Head Coach**, Kevin Mazeika

Projects

Baylor College of Medicine, Houston, TX   August 2024 - December 2024

Contract Software Engineer

- Created an application to make a call schedule for the ENT department
- Designed and tested an application from the start to **solve a real world problem**
- Saved **thousands of dollars** by cutting the task down from hours to minutes

Salesforce, Denver, CO   May 2024 - July 2024

Field Session Software Engineer

- Created a prototype **web application** to clean customer address databases
- Used Python and PostrgreSQL to create a **testing environment** and modular data filtration system
- Learned how to **meet client specifications**, manage a team, and create an efficient SQL database

Activities

Tau Beta Pi, Member, Golden, CO   Fall 2023 - Present
Association for Computing Machinery, Member, Golden, CO   Fall 2021 - Present
Houston Gymnastics Academy Team, Team Captain, Houston, TX   Summer 2019 - Fall 2020

Honors and Awards

Summa Cum Laude, Colorado School of Mines   December 2024
Dean's List, Colorado School of Mines   Fall 2021 - Fall 2024
Thorson Honors Program, Colorado School of Mines   Fall 2021 - Spring 2022
Academic All American, National HS Coaches Association   2019 & 2020