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Colton H. Morris

EDUCATION  
**Colorado School of Mines**, Golden, CO   
B.S. Computer Science + Data Science   
Anticipated Graduation – May 2025

**GPA**: 3.7

EXPERIENCE

**Association of Computing Machinery, Golden, CO** *- Vice President*

* Lead initiatives, foster collaboration, and promote innovation within the organization. I strive to promote diversity while improving visibility on campus.

**Innovation Labs Accounting Lead**, Denver, CO – *Project Manager, Accounting Lead*

Jan 2022 – June 2023

* Streamlined lab finances with team leads through purchase tracking and fundraising.
* Led space upgrades, adding 5+ 3D printers and facilitating capstone projects.
* Repaired makerspace equipment including 3D printers and laser engravers.

NOTABLE PROJECTS

* **Mines Marketplace** – Co-founded and actively developing a comprehensive mobile application for the Colorado School of Mines community, offering a secure platform for buying/selling items, messaging, roommate matching, and additional features aimed at enhancing student life.
* **Ore Cart** – Developing Ore Cart, an innovative app fully integrated with the Colorado School of Mines' public transit system, offering real-time tracking and hailing capabilities to enhance campus mobility.
* **Disaster Detection** - Developed a tweet sentiment analysis algorithm that detected disaster related tweets as part of a Kaggle Challenge. Achieved an F1-Score of .99 on the testing data.
* **FitAPI** – Created an ML-based workout app that could generate healthy and safe workouts for people with disabilities or other physical limitations.
* **CS Website Redesign** – Led a 10-week project aimed at redesigning the navigation and accessibility of the CS department website. We observed an 85% decrease in the time taken to navigate to the desired webpages with our alterations.

SKILLS

* **Front-End Dev** – UI/UX Design, Figma
* **Back-End Dev** – Python, Java, Linux, Git, C, C++
* **Mobile Development** – Unity + C#, Swift
* **Machine Learning –** Python, Scikit-learn, Pandas, etc.

LEADERSHIP/ VOLUNTEERING

* **Grand Challenges Scholar** –Engaged in interdisciplinary coursework, research, and experiential learning related to global challenges through participation in the Grand Challenge Scholars Program.
* **Ritchie School of Engineering & Computer Science Ambassador** – Appointed to distinguished students as an opportunity to showcase their work and the computer science and engineering facilities to different cohorts of incoming students.
* **French Language Department Ambassador** – Volunteered to work with varying levels of French students and facilitate discussion, inclusivity, and community.
* **Starbucks Highlighted Barista** – Worked as a barista to deliver food and drink in a timely manner, work collaboratively with a large team. We made tens of thousands in sales per day and was recognized as having the highest customer satisfaction rating of any Starbucks in Colorado.

AWARDS & EXTRACURRICULAR ACHIEVEMENTS

* National Academy of Engineering Grand Challenges Scholar
* Jack and Sharon Blake Scholarship (received by 20 of 150 applicants), Hornbeck Scholar
* Rugby - placed 2nd at Nationals in 2021, placed 4th in 2023.
* Blasterhacks Hackathon 2024 placed 2nd in education.