Eamon Howell

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Education

Colorado School of Mines, Golden CO	December 2024
Bachelor of Science Computer Science, Focus in Data Science	GPA: 3.506

Honors: Thorson First-Year Experience (intersection of science, technology, and society), Dean's List, Honor Roll

Skills

- Python, SQL, R, C/C++, LaTeX, Linux, Java, RISC-V, JavaScript, OCaml, HTML, CSS, Go, Ajax
- Adobe Illustrator, Adobe Photoshop, Microsoft Word, MatLab, Jupyter Notebooks,
- Technical Writing, Agile Software Development, OOP, TDD, Independent Research, Teamwork, Scheduling
- MIG Welding, Metal Working

Relevant Work Experience

Walker Water LLC, Cedaredge, CO   6 weeks   May 2024-June 2024

Field Session Experience   (Project internship run through Colorado School of Mines)

- Contributed to a team simulating water flow down an elevation grid using satellite data for virtual weather stations to predict snowmelt in warmer months for more accurate water management.
- Created documentation for the code the team made, and for legacy code provided to the team.
- Integrated legacy and new code into a cohesive product to meet the client's expectations.

Colorado School of Mines, Golden CO

Database Management Project   5 months   August 2023-December 2023

- Contributed to a team building an SQL database to store and access data to learn from it.
- Managed cleaning the dataset and making the schema to store the data.
- Aided others in making queries to analyze the data.

Introduction to Data Science Project   5 months   August 2023-December 2023

- Worked alone to analyze school funding and how it affected student GPA scores to better understand student's chances for success.
- Used an SVR model in a Python Jupyter Notebook to predict student GPA based on funding spent per student.

Computer Science Teaching Assistant   2.5 years   August 2022-May 2023, August 2023-Present

- Aided students in coding problems related to programs and Python syntax to complete assignments.
- Provided explanations on python concepts and coding practices for better understanding.

Work Experience

Leonardo's Basement, Minneapolis MN

Day Camp Assistant   Summer 2022 & 2023

- Instructed 6–13-year-olds on safe usage of power tools and building equipment.
- Guided young individuals on successful construction techniques.
- Taught welding skills to 17-year-olds.

Volunteer Work

Leonardo's Basement, Minneapolis MN

Community Garden Sign   ~July 2018

- Collaborated on building a sign for a local community garden based on community plans.