

Eamon Howell

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<https://eamonhowell.github.io>

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

Computer and Data Science Experience

Walker Water LLC, Cedaredge, CO May 2024-June 2024
Field Session Experience (Team-based project internship through Colorado School of Mines)

- Delivered project in support of more accurate water management by simulating water flow down an elevation grid using satellite data for virtual weather stations to predict snowmelt in warmer months.
- Created documentation for newly-developed and legacy code.
- Integrated legacy and new code into a cohesive product to meet the client's expectations.

Colorado School of Mines, Golden CO
Database Management Project 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 August 2023-December 2023

- Independent project to analyze school funding and its implications for student GPAs and success rates.
- Used an SVR model in a Python Jupyter Notebook to predict student GPA based on funding spent per student.

Computer Science Teaching Assistant 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.

Additional 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.