

Caroline Steely

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PERSONAL PROFILE

Coachable third-year student offering willingness to learn quickly and take initiative on projects to assist in data consultation and management. Recognized by supervisors for demonstrating initiative and ability to deliver impactful results in multidisciplinary team environments.

EDUCATION

Bachelor of Science in Computer Science

Minor in Creative Technology and Design

University of Colorado Boulder

GPA: 3.789

Boulder, CO

Graduation Date: May 2026

Study Abroad Semester

John Felice Rome Center

GPA: 3.833

Rome, IT

Attendance Date: Fall 2024

TECHNICAL SKILLS

- **Languages:** C++, Python, SQL, HTML, CSS, R, Scala, JavaScript, Java, NoSQL, Bash, Assembly
- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Plotly, Scikit-learn
- **Tools:** Git, GitHub, Visual Studio, Ubuntu, PowerPoint, Excel, Figma, Photoshop, PowerBI
- **Developer Practices:** Version Control, Data Visualization, Technical Writing, APIs, Machine Learning
- **Relevant Coursework:** Data Structures, Algorithms, Database Systems, AI, Principles of Programming Languages, Data Science w Prob/Stat, Computer Systems, Design Foundations, Human Computer Interactions, Software Development, Calculus I/II, Linear Algebra with CS applications, Discrete Mathematics

WORK EXPERIENCE

IT Team Lead | Blueprint Boulder | CU Boulder | February 2025- current

- Pioneer organizer of small projects team for club focused on offering technical assistance to local non-profits.
- Offering assistance through WordPress organization and redesign of websites, reconfiguring spreadsheet methods to database systems, and google analytics.

Research Assistant- Hybrid | CU SPUR | CU Boulder | May 2024- January 2025

- Research Initiation: Enhancing Engineering Self-Efficacy through Design of K-12 STEM Projects
- Analyzed and interpreted data in Excel. Cited as a co-author alongside a team of Engineers to produce 2 research papers to be published.

Student Service Mentor | Volunteer Resource Center | CU Boulder | April 2023- May 2024

- Hired as a mentor for freshmen in the Service and Social Action LLC. Met monthly with students to strategize how to reach their social and educational goals.
- Worked on multidisciplinary team to engage community partners and host 4 on campus and 1 off campus service event per semester.

PROJECTS

Donation support website | HTML, CSS, SCSS, MongoDB, JavaScript, Express

- Developed a full-stack locally-hosted web platform, Oasis, enabling real-time interactions between donors and recipients, with an optimized post search algorithm prioritizing urgent needs.

Housing Data Model | Python, Pandas, NumPy, Matplotlib, Plotly

- Built a multiple regression model to analyze housing prices, optimizing with RMSE and 5-fold cross-validation. Applied feature selection using residual plots, One-Hot Encoding, and Lasso regression.

STUDENT AFFILIATIONS

Design for America, SKO Serves, SWE, Colorado Homesless Assistance with Medicine Program, Buff Pantry, oSTEM, Blueprint Boulder, T9Hacks, Boulder Freeride, Film Buffs, Program Council, CUWiC