Caroline Steely

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EDUCATION

Bachelor of Science in Computer Science　　　　　　　　　　　　　Boulder, CO
Minor in Creative Technology and Design　　　　　　　　　Graduation Date: May 2026
University of Colorado Boulder
GPA: 3.812

Study Abroad Semester　　　　　　　　　　　　　　　　　　　　　Rome, IT
John Felice Rome Center　　　　　　　　　　　　　Attendance Date: Fall 2024
GPA: 3.833

WORK EXPERIENCE

SWE Intern | Thrivent Financial | Remote | May-Aug 202
- Developed AWS native solution for validating URLs to ensure compliance with company standards.
  - Lambdas, Layers, IAM, S3, ECR, Rekognition, Bedrock, Cloud Watch
  - Deployed infrastructure as code via Terraform
  - Python, Docker
- Worked on DevOps and Java application teams leveraging Agile methodologies including Scrum and Kanban.
  - OpenShift, Kubernetes, GitHub Actions
  - Jira. GitHub, Git, Confluence, Slack

Research Assistant | CU SPUR | CU Boulder | May 2024- January 2025
- Analyzed and cleaned research data in Excel using Pivot Tables, VLOOKUP, and statistical functions to identify trends in student innovation self-efficacy.
- Co-authored abstracts, leveraging data visualization and analytical insights to support findings.

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

Natural Highs Project Team Lead | Blueprint Boulder | Boulder, CO | August 2025- current
- Currently working as a project manager for a student group project to develop an on-boarding application for a local non-profit.
- Developing project as a template that can be reused by other non-profits in the future.

IT Team Lead | Blueprint Boulder | Boulder, CO | Feb-May 2025
- Pioneer organizer of small projects team for club focused on offering technical assistance to local non-profits.
- WordPress organization and redesign of websites, reconfiguration of spreadsheet methods to database systems, and google analytics.

AI Mancala Agent | April 2025
- Programmed a python based active learning AI agent to interactively play a game of Mandala against a user. Implemented AlphaBeta decision tree function to predict moves.

Donation support website | BlasterHacks | Golden, CO | March 2024
- 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.
- HTML, CSS, SCSS, MongoDB, JavaScript, Express

Housing Data Model | April 2024
- 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.
- Python, Pandas, NumPy, Matplotlib, Plotly

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