

EDUCATION

University of Colorado at Boulder

Boulder, CO

B.S. in Computer Science Sophomore

Aug 2024 – Now

- **Coursework:** Calculus 3, Data Structures, Matrix Methods and Applications, Accelerated Astronomy 1, Computer Systems, Operating Systems, Software Development, Algorithms, Intro to Data Science

WORK EXPERIENCE

University of Colorado, Boulder

Boulder, CO

Research Assistant

May 2025 – August 2025

- Experimented with methods to use predictive modeling to predict the chance of soil liquefaction based on current soil conditions.
- Worked to understand the needs of my Graduate Mentor and kept him informed of my progress.
- Compiled all my results into a final document to preserve my progress and share when the research may be revisited in the future.

PROJECTS

• Jeff's Boba Crashout:

- Game to prompt player to type words that include a given consecutive two letters at any point of the word
- Worked in a group to create this for a Hackathon and primarily worked with a team member on the backend data functionality of the game
- Utilized JS for a majority of the functionality but used python to create a csv of the two letter sub strings from a very large english dictionary database. Utilized JSON to make checking if the word is real more efficient.

• Azul:

- Recreation of turn-based multiplayer board game Azul as team lead
- Features game mechanics such as tile selection, scoring systems, and real-time graphical updates.
- Scalable, interactive interface using Java technologies AWT, Swing, and BufferedImage.
- Worked with a team to first make a project proposal and plan the project before programming.

INVOLVEMENT

• T9 Hackathon: Led marketing efforts for the hackathon by creating a cohesive visual theme and branding.

- Designed promotional materials, including flyers for print and digital screens, as well as engaging Instagram posts.
- Managed event logistics, including participant check-in and addressing inquiries.
- Conducted one of the judging sessions, ensuring adherence to the schedule.

• Boulder-CU Leadership Program:

- Paired with a mentor experienced in research, exploring various aspects of research through insightful inquiries.

• Marching Band: Balanced coursework with practice and performances, demonstrating strong time management skills.

- Quickly learned choreography and maintained perfect attendance at all required events.

• Coastal Prairie Volunteer: Volunteered primarily at a plant nursery for a preservation project aimed at restoring land previously owned by a chemical company to its natural state.

- Engaged in learning about local wildlife and restoration methodologies through hands-on experience and inquiry.

SKILLS

Languages: Python, Java, Javascript, C++

Technologies: Git, HTML/CSS, CSV, JSON