

## EDUCATION

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### University of Colorado at Boulder

*B.S. in Computer Science Sophomore*

Boulder, CO

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

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### University of Colorado, Boulder

*Research Assistant*

Boulder, CO

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

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### • 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

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### • 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

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**Languages:** Python, Java, Javascript, C++

**Technologies:** Git, HTML/CSS, CSV, JSON