

ETHAN DOYLE

303-210-4711 | ethanadoyle@gmail.com | [Ethan's LinkedIn](#) | Boulder, CO

EDUCATION

B.A. COMPUTER SCIENCE, MINOR IN BUSINESS, UNIVERSITY OF COLORADO BOULDER

- FOCUS IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
- DEGREE EXPECTED MAY 2027
- CURRENT GPA 3.5

Relevant Project Experience

CANDY LAND VIDEO GAME (C++)

DECEMBER 2023

- Utilized Object Oriented Programming to create a video game that can be played with two players.
- Applied knowledge of classes, structs, file input/output, user interaction, structures, classes, arrays, and vectors.
- Integrated rock paper scissors game using switch case
- Implemented an updating game board in the terminal

ENCRYPTION/DECRYPTION ALGORITHM (C++)

OCTOBER 2023

- Created a program to encrypt or decrypt phrases based on set methods.
- Included user-friendly menu to navigate the methods and set keys.
- Add more

RESTAURANT REVIEW DATA STRUCTURE (C++)

APRIL 2024

- Maintained a data structure for efficient storing, retrieving, and manipulating of restaurant reviews.
- Built a hash table that uses chaining for collision resolution with a linked list as the backing data structure
 - Linked list stores restaurants
 - Used a priority queue to organize the reviews by the time they were posted
 - Implemented using a heap to store restaurant reviews

RELEVANT COURSEWORK

- Completed many problem-solving assignments using C++.
- Became proficient with Data Structures – using pointers, references, heap data, etc.

Activities and Achievements

ACADEMIC

- CU Boulder Joseph A. Sewell Academic Scholarship for Outstanding High School Achievement
- CU Hack Club – Logistics Team
- Object Oriented Programming, C++
- National Honor Society
- National Technical Honor Society
- Distributive Education Clubs of America (DECA)
- Spanish Seal of Biliteracy

ATHLETIC

- Team Captain of Broomfield Soccer Club, Fall 2019 - Spring 2021
- Academy Soccer player at Real Colorado competed in MLS Next competitions, Summer 2021 - Spring 2023
- Became a member of CU Men's Club Soccer top team as a freshman, Fall 2023 - present

SOFT SKILLS & QUALITIES

- Curiosity, Inquisitiveness, Passion, Detail Orientation, Organization, Goal Orientation, Leadership, Strong Work Ethic.

Work Experience

Lifetime Fitness | Westminster, Colorado

Aquatics Lifeguard & Aquatics Supervisor

2021 – PRESENT

- Began as a lifeguard and was promoted to supervisor
- Working as a leader within the aquatics department at Lifetime Fitness. Communicated, organized, and oversaw all lifeguards and swim instructors. Provided customer service through responding to member questions and assisting them with anything they may need.