



PROFILE

I am a 3rd year computer science student at CU Boulder, on track to graduate Spring 2024. Post grad I hope to pursue a career in software engineering, data analysis, or broader machine learning/AI.

CONTACT

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PROJECTS

Chess Engine
This project combines all aspects of traditional programming that I am capable of. This took the form of harnessing many algorithms, using a diverse set of data structures, and integrating an agent to play the optimal strategy.

Analyzing Patterns in Sports Gambling
In this project, I used python and common data science libraries like NumPy and Pandas to see if betting on the point spread would be more profitable than on the Underdog of for the '07-'08 season all the way up through the '22-23 season.
(more projects, and further details can be found on my website)

JACK LAY

A Third-year computer science student

EDUCATION

University of Colorado Boulder

August 2022 – May 2024
Major in Computer Science
Relevant Courses: Intro to Data Science, Intro to AI, Machine Learning

Western Colorado University

Aug 2020 - May 2022
Major in Computer Science
Relevant Courses: Calc 2, Discrete Math, Linear Algebra

University of Colorado Denver

August 2018 – May 2019
Major in Physics
Relevant Courses: Calc 1

WORK EXPERIENCE

EC Data Systems Server Tech

May–August 2016-2019, 2021-22
Contributed to further datacenter expansion and maintenance through assembly, light configuration, and installation of company servers. Additionally, terminated CAT 5 cables (Straight and Crossover). Designed a SQL tool to keep track of internal networking.

JJ Lay Co Installation Tech

May – August 2014, '20
Facilitated the installation of Residential Water Heaters, AC Condensers, and Furnaces, managed warehouse inventory

SKILLS

Python, Java, C++, SQL

Object Oriented and Functional Programming

Close attention to detail and the ability to learn from experience

Word, Excel, and other productivity apps