

Trevor Chartier

Fort Collins, Colorado

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Education

Colorado State University

Expected December 2025

B.S. in Computer Science (Machine Learning & AI Concentration)

GPA: 4.0

Minor in Data Science

- **Coursework:** Data Structures, Algorithms, Boolean Algebra, Computer Systems, Linear Algebra, Combinatorics, Probability Theory, Linear Regression, Calculus III, Microeconomics
- Karla S. Given Scholarship, Dean's List Recipient, RamHack Computer Science Club, 4th Paradigm Data Science Club Organizer

Skills

Languages: *Python, Java, Matlab, R, (Currently Learning SQL)*

Technologies & Frameworks: *Pandas, Jupyter, Git, JUnit, Linux, Gradle, Microsoft Products*

Professional Experience

Undergraduate Machine Learning Researcher

September 2023 - Present

CSU Department of Computer Science

- Trained over 500 machine learning models using Hyperopt to classify instances of familiarity from eye gaze with 61% accuracy
- Processed and analyzed over 2GB of results data to identify and improve model tendencies
- Communicated the significance and findings of the research in a paper accepted to HCII Conference

Projects

PT Fitness | Python, PyTesseract, Matplotlib

November 2023

- Built an application to track and analyze caloric intake
- Utilized optical character recognition to parse nutrient information from images of food labels

Data Structures and Algorithms Assignments | Java

August - December 2023

- Recursively implemented search, insert, and remove algorithms for binary search trees and b+ trees
- Built algorithms to perform breadth first and depth first traversals for graphs
- Implemented various hashing algorithms and functions that minimized collisions

Hobbies & Extracurricular

Middle School Mountain Bike Coach

Jazz Piano

Carpentry Apprentice

Dog Agility Training