CHRISTINA FERNANDEZ

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PROFILE

I am a skilled programmer experienced in Object-Oriented programming and data structures such as trees, graphs, stacks, hash tables, and queues. I have experience collaborating in GitHub using Git for version control. I have strong critical thinking skills gained through proof-based classes.

EDUCATION

University of Colorado Boulder   2022-2026
Computer Science - BA GPA 4.00
General Mathematics - BA GPA 3.88
Minor: Music
Honors Student

RELEVANT COURSEWORK

- Starting Computing (C++) - A
- Data Structures (C++) - A
- Introduction to Computational Thinking (Python) - A
- Analysis - A
- Abstract Algebra - A
- Discrete Structures - B+
- Combinatorics - A
- Software Development Methods and Tools - Currently A
- Computer Systems (C) - Currently A

PROJECTS

Odyssey Game
I developed a two-player board-game using C++. I customized the game by adding a new tile that generated a random anagram for the player to solve.. I implemented two classes and two structs.

File System Simulation
A partner and I developed a Linux file system simulation in C++. We stored files and directories in an n-ary tree data structure and a hash table, as well as built functions for Linux commands. We collaborated on this project with GitHub and git version control.

WORK EXPERIENCE

Course Assistant
University of Colorado Boulder   January 2024 - Now
I am currently working as a Course Assistant at the University of Colorado Boulder. I am assisting a Data Structures course by supporting TAs in recitations, holding office hours, and answering student questions on their online discussion board Piazza.

Mathematics Tutor
University of Colorado Boulder   January 2024 - May 2024
I worked as an hourly tutor in the Mathematics Academic Resource Center at the University of Colorado Boulder. I have assisted students with classes ranging from precalculus to linear algebra.

Learning Assistant
University of Colorado Boulder   January 2023 - December 2023
I was a learning assistant at the University of Colorado Boulder for Calculus 2 in Spring of 2023 and Calculus 1 in the Fall of 2023. I assisted students in recitations and collaborated with TAs and other faculty during weekly meetings.

SKILLS

- C++
- Python
- MySQL
- MATLAB
- LaTeX
- Linux
- Organized
- Detail Oriented
- Fluent in Spanish
- Collaborative Problem Solving
- Critical Thinking
- Adaptable