

---

# Mathias Teferra

Aurora, CO 80017 | 720 462 0248 | mathias.teferra@colorado.edu

---

## Summary

Former Mechanical Engineering student with a strong foundation in analytical and problem-solving skills, who transitioned to Computer Science after discovering a passion for programming and computational design. Currently pursuing a Bachelor's in Computer Science at the University of Colorado Boulder, focusing on software engineering, data structures, and algorithmic problem-solving.

---

## Skills

**Languages:** C++, Python, JavaScript, SQL, Assembly

**Web Development:** HTML, CSS, Bootstrap, Node.js

**Database:** PostgreSQL, MySQL

**CS Fundamentals:** Data Structures, Algorithms, Object-Oriented Programming

---

## Education and Training

**University of Colorado Boulder - Boulder**

Bachelor's in Computer Science , Expected in 07/2027

**Related Coursework**

- Data Structures and Algorithms
- Software Dev Methods and Tools

---

## Personal Project

**Game Collection Management System** — C++, CSV Parsing, Hash Table

- Built a dynamic hash table to store and retrieve 100+ video game records.
- Implemented collision handling and resizing logic to maintain  $O(1)$  search.
- Parsed and exported data using CSV file operations.

---

## Additional Information

- Authorized to work in the US.
- Available full-time for 12-week internship (Summer 2026)