

# BETHLEHEM BELAY

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## Education

University of Colorado Boulder - B.S Computer Science

May 2026

*Business Minor - GPA: 3.8*

*Boulder, Colorado*

## Technical Skills

**Programming Languages:** C++, Python, Javascript, HTML, SQL

**Relevant Courses:** Intro to Programming, Data Structures, Computer Systems, Software Developments and Tools, Discrete Math, Human-Computer Interactions, Algorithms, Principles of Marketing, Principles of Management

**Frameworks:** Python's Library of Tkinter

## Projects

**Projects using Tkinter | Python**

June 2023

- Barbie Dream Cafe- Teach basic arithmetic to my cousin through addition and multiplication by displaying items and prices in a interactive cashier console
- Encryption and Decryption: A program that encrypts user input using a password and decrypts it when the correct encryption code is entered

**Gambling Game | Python**

June 2023

- Reads User input on their deposit and gamble
- Utilizes the random and a dice dictionary to display the dice rolled
- Program determines if user loses their bet, gains their bet, or if they have hit jackpot

**Summer Projects | Python**

May 2023

- Over 10 mini projects ranging from a calculator, a maze, a ping pong game, and a password generator
- Utilized and learned various Python libraries such as cursors, time, and queue

**Movie Record | C++**

April 2023

- Implemented a skiplist where users can choose a movie by its name, director, or genre organized in alphabetical order

**Jujutsu Kaisen Game | C++**

December 2022

- Collaborated project made with classmate
- Terminal game that would randomly choose a villain from a file based on users level and placement on the map

**Buff Chat | C++**

November 2022

- App that has functionality similar to Twitter
- Utilizing a custom split function program would parse user inputs to either display an authors posts, posts made in general by that year, or find users with a certain tag by reading a file

## Experience

**Pour la France**

May 2022 - August 2023

*Hostess*

*Denver, CO*

- Warmly welcoming guests upon their arrival.
- Assisting guests with any inquiries they may have about the establishment
- Confirming reservations and managing any changes or special requests
- Supporting the coordination of special events or large party reservations

## Community Involvement/Accolades

**National Society of Black Engineers**

August 2022 – Present

*Member*

*University of Colorado Boulder*

- Attended meetings that allowed me to network with fellow peers and elected officials

**CU Esteemed Scholars-Hale**

August 2022 – Present

*Scholarship Recipient*

*University of Colorado Boulder*

- Maintained a 3.9 GPA while demonstrating a positive grade trend as difficulty of coursework progressed during high school