

# Isaac Montano

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## Education

### **Bachelors of Arts in Computer Science**

Bradley University

Graduation: December 2023

## Work Experience

### **Clune Construction Company**

July 2022 - September 2022

#### *Systems Technician Intern*

- Provided level 1 and level 2 support for up to 10 users a day.
- Assisted with onboarding new users including computer and phone builds and training.
- Maintained spreadsheets of active and inactive users and machines.
- Became subject matter expert for critical apps when assigned.
- Shadowed senior system technicians to learn proper procedure and assist in office tasks.

## Technical Experience

### **Python**

Spring 2021 - Present

*Relative Coursework: CS 360: Fundamentals of Data Science, CS 460/461: Senior Capstone*

#### Project Examples:

- Optimized microdrone designs and flight pattern prediction utilizing a genetic algorithm with a linear regression model.
- Utilized matplotlib, pandas and numpy to accurately display what chocolate characteristics determine the rating of a chocolate bar.

### **Linux/Unix (Debian)**

Summer 2021 - Present

*Relative Coursework: CS 321: Operating Systems, CIS 435: Computer Networks and System Security*

#### Project Examples:

- Recreated the “Mitnick” Attack using multiple docker containers and virtual machines
- Implemented a “dual-boot” system to use PopOs! and Windows on the same machine.

### **C++**

Fall 2020 - December 2023

*Relative Coursework: CS 140: Advanced Programming Concepts, CIS 455: Computer Graphics*

#### Project Examples:

- Built a software renderer to create 2D and 3D objects in a plane.
- Encoded a ciphertext utilizing a Monoalphabetic Substitution Cipher.

## Activities/Leadership

### **Society of Hispanic Professional Engineers**

January 2022 - April 2023

#### *President*

- Lead a group of 14 individuals to reach goals for the betterment of hispanic STEM students
- Attended 8 SHPE conferences: National, Regional, NILA, and President’s Summit.
- Fostered relations between SHPE Bradley and 4 other LatinX organizations.
- Spoke at various events representing SHPE Bradley and the LatinX community on campus.
- SHPE Membership Booster Award recipient from the SHPE Regional Conference 2022.
- Collected 5 SHPE chapters from across Illinois to collaborate with Microsoft HOLA