

# Ethan McAllister

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## EDUCATION

**Utah State University** Logan, UT  
*B.Sc. in Computer Science, Minors in MIS (May 2024), and Business (Aug. 2025)* Aug. 2022 – Dec. 2026

**Utah State University** Logan, UT  
*Associate of Science, General* Aug. 2022 – Dec 2023

## EXPERIENCE

**Venue Operations Team Leader II** Feb. 2024 – Present  
*Utah State University* Logan, UT

- Full time position, leading a crew of 10 employees in preparing Utah State University's venues for sporting events.
- Venues include Dee Glen Smith Spectrum, Maverik Stadium, Wayne Estes Center, Stan Laub Indoor Training Center, LaRee and LeGran Johnson Softball Field, and Chuck and Gloria Bell Soccer Field.
- Skills: Collaborative Problem Solving · Personnel Management · Team Leadership · Communication

**Venue Operations Rep** July 2022 - Feb. 2024  
*Utah State University* Logan UT

- Full time position: Attention to Detail · Team Player · Conflict Resolution · Listening Skills

## CERTIFICATIONS

**Georgia Institute of Technology** Atlanta, GA  
*Introduction to Object-Oriented Programming with Java – Professional Certificate* June 2024

**CompTIA** Downers Grove, IL  
*A+ Certification* Aug. 2023

## PROJECTS

**Resume Website** | *UI/UX Design Principles, HTML, CSS, JavaScript, Git/GitHub* Jan 2024 – Present

- URL: Portfolio - Ethan McAllister
- Applied important principles of UI/UX design in creating a resume website.
- Utilized HTML/CSS to create a highly functional web page, styled using UI/UX Principles.
- Utilized Git with Github for version control and collaboration.

**Crypto Arbitrage Trader** | *Python, Graphs, JSON, Web APIs, Git/Github* Aug 2023 – Present

- Developed an algo-trading application that retrieves daily crypto exchange rates from a web API, calculates arbitrage opportunity using graphs, and buys/sells crypto currencies using the Alpaca API.
- Retrieved JSON data from Web API to collect updated currency exchange rates.
- Utilized various data structures including leveraging graphs to calculate currency exchange paths out of equilibrium.
- Object-Oriented/Procedural Python programming.
- Wrote, debugged, and deployed code using the AWS Cloud9 development environment. Used Crontab to schedule program to run weekdays at 9:00am.

**Tron Style Video Game** | *Python, Pygame, Object Oriented Programming, Git/GitHub* April 2024 – Present

- Utilized principles of Classes/Objects to create a 2-dimensional grid, as well as players to traverse the grid.
- Implemented advanced looping and conditional statements to account for every possible scenario.
- Worked with files including rotating images and audio in order to display and create a great gaming interface for interaction with the user.
- Implemented python libraries including pygame for game creation, and OS, used for interacting with the Operating System

## TECHNICAL SKILLS

**Languages:** Python, Java, SQL, JavaScript, HTML/CSS

**Frameworks:** React.js, Node.js, Express.js, Angular

**Developer Tools:** Git, GitHub, AWS Cloud, VS Code, PyCharm

**Libraries:** NetworkX, Pandas, NumPy, Pygame, OS, Math, Random.