

## EDUCATION

### University of Illinois Urbana-Champaign

May 2025

- Master of Computer Science GPA: 4.0
- *Database Systems; Data Visualization; Software Engineering I; Statistical Modeling in R; Applied Machine Learning*

### University of Illinois Urbana-Champaign

May 2024

- Bachelor of Arts in Economics GPA: 3.62
- *Data Structures and Algorithms; Game Development; Intro to Computer Systems; Calculus I/II; Discrete Structures*

## PROJECTS

### Database Dashboard

- Web dashboard hosted through Dash with a Python backend that queried and edited SQL, MongoDB, and Neo4j databases and displayed graphs, information, and querying/editing features using JavaScript.
- Python, SQL, MongoDB, Neo4j, JavaScript, HTML [Link to Repo](#) [Video Demo](#)

### Tower Defense Game

- Led a team of five in building a fully-functional tower defense game using Unreal Engine 5.
- Organized group meetings and delegated responsibilities, ensuring timely project delivery.
- Unreal Engine 5, Git, C++ [Link to Gameplay Demo](#)

### AI Weather App

- Makes multiple API calls to fetch weather data, contact the LLM, access cities, and control the map.
- Uses AI to provide weather insights for any city in the United States.
- Java, Android Studio [Video Demo](#)

### Fitness Logbook

- Web app that allows users to create accounts and log workouts. Stores information on the workout in an SQL database.
- The backend uses Flask to host an API that connects to a MySQL database via MySQL Connector. It facilitates CRUD operations and communicates with the JavaScript front end to manage data interactions.
- Python, SQL, Flask API, JavaScript, HTML [Link to Repo](#)

## EXPERIENCE

### Data Analyst

### The American Energy Society

February 2023 - May 2023

- Conducted extensive research on global university energy programs, enhancing analytical skills in data collection and synthesis.
- Compiled research findings into a comprehensive Excel document for organizational use.
- Collaborated with a cross-functional team of 12+ individuals to deliver data-driven insights.

### Software Engineering Tutor

### University of Illinois Urbana-Champaign

August 2022 - December 2022

- Created programming walk-throughs in Java to aid dozens of students in the learning of Java programming skills.
- Guided students in solving complex problems through group discussion and personalized feedback.
- Led office hours and helped students debug and implement features for the semester project. Features included creating a list of favorite restaurants, creating recommendations based off of the users preferences, and displaying those restaurants on a map.

## SKILLS

- Python, C++, C, Java, JavaScript, SQL, MongoDB, Neo4j, HTML, CSS, R
- Node.js, NumPy, D3, Flask, Pandas, PyTorch, Dash, Vite
- MySQL, PostgreSQL, GitHub, Docker, REST API, Tableau, Unreal Engine, Microsoft Office