

EDUCATION

Urbana, IL	University of Illinois Urbana-Champaign	May 2024 - May 2025
------------	---	---------------------

- Master's in Computer Science. GPA: 4.0
- *Database Systems; Data Visualization; Software Engineering I; Statistical Modeling in R; Foundations of Data Curation*

Urbana, IL	University of Illinois Urbana-Champaign	August 2020 - May 2024
------------	---	------------------------

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

PROJECTS

Fitness Logbook	October 2024 - Present
-----------------	------------------------

- 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](#)

Database Dashboard	July 2024 - August 2024
--------------------	-------------------------

- 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](#)

D3 Narrative Visualization	July 2024 - August 2024
----------------------------	-------------------------

- Developed a visualization of a cars data set using D3 complete with scenes, triggers, and transitions.
- JavaScript (D3), HTML, CSS [Link to Visualization](#) [Link to Repo](#)

Tower Defense Game	March 2024 - May 2024
--------------------	-----------------------

- 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](#)

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.

Java Course Assistant	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.

PROGRAMMING LANGUAGES, FRAMEWORKS & TOOLS, SOFT SKILLS

-
- Python; C++; C; Java; SQL; MongoDB; Neo4j; JavaScript; HTML; R
 - Visual Studio; MySQL; PostgreSQL; Git; Docker; REST API; D3; Tableau; Unreal Engine 5; Microsoft Office;
 - Communication; Leader; Team Player; Driven; Critical Thinking; Patience; Self-Awareness