

# Dion Humphrey

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## EDUCATION

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### University of Georgia

*Bachelor's of Science in Computer Science, Minor in Applied Data Science*

Athens, GA

Aug. 2024

## PROJECTS

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### Tactical Emblem Hub - Team Management Tool | *Python, Flask, SQLite, SQLAlchemy* May 2024 – Present

- Developed a website for managing Fire Emblem characters, teams, and strategies using Python and Flask, with version control managed through Git
- Designed and implemented database schema using SQLAlchemy to store character information, stats, and team compositions
- Built a responsive frontend interface with HTML, CSS, and JavaScript to improve user interactions

### Bookit - E-Cinema Booking Site | *React, CSS, MySQL, Java SpringBoot, Scrum* Aug. 2023 – Dec. 2023

- Collaborated in a group of 5 to develop an E-Cinema Booking Site using React, Java Spring Boot, and MySQL
- Designed interactive web interfaces in React.js, improving user experience and site navigation
- Implemented API calls for retrieving movie trailers and accessing external databases for movie information
- Applied Scrum methodology, breaking larger epics into user stories and managing sprints every few weeks

### Library Management System | *Java, Java Swing, MySQL* May 2023 – July 2023

- Developed a Library Management System in Java, utilizing Java Swing for the frontend and MySQL for database management
- Created an intuitive user interface, prioritizing accessibility to enhance overall usability
- Designed and implemented a robust database architecture in MySQL to manage book records and users

### DCC - Movie Review Website | *React, CSS, MongoDB, Express.js, Node.js* April 2023 – May 2023

- Contributed to building a full-stack MERN movie review site, implementing features for creating, reading, updating, and deleting reviews
- Developed React-based web interfaces to streamline user interactions and improve navigation
- Designed database schemas with Mongoose for MongoDB, improving data storage and retrieval processes
- Implemented backend API endpoints using Express.js to connect the frontend with the database

## VOLUNTEERING

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### Volunteer

*Founder's Memorial Garden - University of Georgia*

Aug. 2022 – Dec. 2022

Athens, GA

- Collaborated with team members to complete tasks efficiently.
- Effectively balanced volunteer work with academic commitments
- Assisted in garden maintenance, including weeding, pruning, and watering, contributing to garden aesthetics and health.
- Demonstrated attention to detail in dead branch removal and leaf cleanup.

## TECHNICAL SKILLS

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**Languages:** Java, Python, SQL (MySQL, SQLite), JavaScript, Typescript, HTML, CSS, C, C++, Matlab

**Frameworks:** Flask, Express.js

**Developer Tools:** MySQL, SQLite, MongoDB (NoSQL), Amazon Web Services, Google Cloud Platform, Docker, Git, Hadoop, Figma, Postman, Matlab, REST web services

**Libraries:** React.js, Node.js, Java SpringBoot, Java Swing, SQLAlchemy, Pandas, NumPy, Matplotlib, Scikit-learn