CHRISTIAN HART

Software Engineer | Web Developer

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PROFILE

Full stack software engineer with a strong foundation in computer science and hands-on experience in developing web applications. Skilled in React, Python, Flask, and MySQL. Known for a strong work ethic, excellent problem-solving abilities, and a passion for technology. Seeking to leverage technical skills in a diverse and dynamic software engineering role.

PROJECTS

UniRoute - *Route Planning App for Commute Scheduling*   *JS, React, Python, Flask, MySQL, CSS*

A comprehensive single-page, full-stack web application designed to enhance commuters' travel planning experience by enabling route planning with an interactive map and creating custom weekly schedules.
- Integrated Google Maps' Directions API to enable users to set routes directly on an interactive map.
- Implemented user data persistence with a MySQL database on AWS, allowing users to save routes to their profile and access them across devices.
- Built the back-end REST API with Python Flask to handle data processing and server-side functionalities.
- Used JSON Web Tokens to authenticate users and secure access to saved user information.
- Containerized the application using Docker to ensure consistent environment setup during deployment.
- Led a team of three to design and develop the application utilizing Agile methodologies.

Lotion - *Note Taking App*   *JS, React, SCSS*

A lightweight, frontend note taking app designed for users to record their thoughts with a pleasant and intuitive interface.
- Utilized React hooks and localStorage to manage application state and execute lifecycle-dependent operations.
- Implemented dynamic light and dark modes and custom color schemes with SCSS, centralizing CSS configurations for quick design iteration.

Creature DB - *Database Management App for Veterinary Clinics*   *JS, Python, Flask, CSS*

A database management application tailored for veterinary clinics, facilitating patient record keeping and medical data organization.
- Developed a full-stack application with MySQL and Python Flask to store and edit medical information.
- Implemented complex MySQL queries and table joins to deliver insightful data to users, such as medical condition susceptibilities based on species and breed.

EDUCATION

B. S. in Computer Science • *Georgia State University, Atlanta*   *2023*

B. A. in Philosophy • *Georgia State University, Atlanta*   *2022*