Brandt Davis

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SKILLS

Languages:

- Python
- JavaScript
- HTML
- CSS
- Java
- SQL

Frameworks:

- Flask
- React
- Svelte
- Next JS
- Django
- React Native

Databases:

- PostgreSQL
- MySQL
- MongoDB
- Google Firestore

Other:

- Docker
- REST APIs
- Git
- Linux
- Bash
- Data Visualization
- Data Analysis

WORK EXPERIENCE

Software Developer *April 2023 – Present*
Army Cyber Institute

- Developed a full-stack web application using Python, Flask, React, PostgreSQL, and Docker for social media data visualization
- Collaborate effectively within a 4-member team to create platforms for data management and machine learning security testing, contributing to both front-end and back-end development
- Actively participate in weekly meetings with the team for requirements gathering and design discussions, ensuring project alignment with objectives
- Ensure top-notch code quality by proactively refactoring code, organizing the codebase, and implementing maintainable solutions
- Played a pivotal role in securing an additional $2,000,000 in funding for the organization through the 13-member division's efforts
- Provide guidance and mentorship to an intern, facilitating their meaningful contributions to development tasks

Freelance Software Developer *August 2021*
Bar Dash

- Conceptualized, designed, and developed a mobile application prototype using the React Native framework
- Integrated Google Firestore as the database for the project, resulting in data availability rates of over 99.99%
- Created a seamless user login and registration experience with multi-factor authentication for added security

PROJECTS

Car Budget Predictor *November 2022*
Full Description | GitHub

- Developed a highly accurate linear regression model using Scikit-learn, achieving 99% accuracy by analyzing a dataset of 500 rows
- Conducted in-depth analyses of correlations among various customer attributes, including age, annual salary, and net worth, and their respective provided car budgets
- Leveraged Python libraries, such as Matplotlib and Seaborn, to create visually compelling data visualizations, facilitating easy comprehension of key insights
- Demonstrated the ability to apply advanced data analysis and machine learning techniques effectively to solve real-world problems

Delivery Route Algorithm *September 2022*
Full Description | GitHub

- Implemented an efficient greedy algorithm in Python to determine the optimal delivery route from a pool of 27 locations, prioritizing proximity and minimizing transportation costs
- Enhanced the algorithm's capabilities by integrating multiple package constraints, including delivery deadlines and truck capacity
- Achieved a 22% reduction in route distance by optimizing delivery scheduling through package consolidation

EDUCATION

Master of Science, Computer Science *August 2023 – (Anticipated) 2025*
Georgia Institute of Technology | Atlanta, GA

Bachelor of Science, Computer Science *November 2022*
Western Governors University | Salt Lake City, UT