

Brandt Davis

Full-Stack Software Engineer | Large B2B and B2C globally scalable applications
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TECHNICAL 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 (Contracted through BluePath Solutions)

- Led the comprehensive full-stack development of platforms for data management and artificial intelligence security testing within a collaborative 4-member team, actively contributing to both front-end and back-end development
- Developed a full-stack web application using JavaScript, React, Python, Flask, PostgreSQL, and Docker for social media data visualization, demonstrating proficiency in REST architecture
- Implement exact replication of UI designs, ensuring seamless integration of visual elements according to specifications, resulting in a polished and user-friendly front-end experience
- Fine-tuned Llama 2 Large Language Model (LLM), enhancing its performance for decision support in cyber defense operations
- 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 a significant amount of money in funding for the organization
- Provide guidance and mentorship to an intern, facilitating their meaningful contributions to development tasks

Software Developer

August 2021 - September 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
- 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

EDUCATION

Bachelor of Science, Computer Science

(Graduated) November 2022

Western Governors University | Salt Lake City, UT