Brandt Davis

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SKILLS

Languages:	Frameworks:	Databases:	Other:
• Python	• Flask	• PostgreSQL	• Data Visualization
• JavaScript	• React	• MySQL	• Data Analysis
• HTML	• Node	• MongoDB	• Docker
• CSS	• Express	• Oracle	• REST APIs
• Java	• Django	• Google Firestore	• Git
• SQL	• React Native		• Linux

WORK EXPERIENCE

Software Developer   *April 2023 – Present*
Army Cyber Institute

- Developing "SCyDAr" (Social-Cyber Data Analyzer) as a sole developer. The application offers diverse dashboards for social media sites like Twitter and YouTube, featuring widgets that display data visualization components such as sentiment analysis, stance detection, geospatial analysis, and topic distribution. Powered by React, TypeScript, Flask, Postgresql, and Google APIs.
- Developing a documentation application aimed towards cybersecurity data analysts, allowing users to create wiki pages and track their workflow in real time through the use of a user activity tracker application. Utilizing React, JavaScript, Electron, Postgresql, and Docker
- Distinguished by the supervisor for extraordinary contributions within the first week of employment, culminating in an astounding estimated cost-saving achievement of $98,000 (98%) in contracting costs
- Collaborated effectively on a team of 3 developers on a cross-organization project for a dashboard-making application, subsequently integrated into the development of SCyDAr
- Ensure top-notch code quality by proactively refactoring code, organizing the codebase, and implementing maintainable solutions
- Engage in regular, productive communication with a cross-disciplinary team of 15 professionals, as part of a larger project involving four distinct teams, to promote seamless project coordination and progress

Freelance Software Developer   *August 2021*
Bar Dash

- Designed and built a functional 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

- Designed and implemented a linear regression model using Scikit-learn with 99% accuracy by analyzing 500 rows of data
- Employed Python libraries Matplotlib and Seaborn to effectively visualize and comprehend data insights
- Documented the entire project life cycle within a Jupyter notebook, which led to a 100% increase in transparency and traceability

Delivery Route Algorithm   *September 2022*
Full Description | GitHub

- Implemented an efficient greedy algorithm in Python, determining the optimal delivery route by selecting from 27 locations based on proximity
- Conducted a comprehensive data analysis of 40 package records, each with 12 attributes, to identify the most significant fields for consideration
- Enhanced the delivery algorithm's capabilities by incorporating multiple package constraints, including delivery deadline and truck capacity, into the algorithm
- Optimized delivery scheduling through package consolidation, resulting in a route distance reduction of 22%

EDUCATION

Master of Science, Computer Science   *August 2023 - Present*
Georgia Institute of Technology | Atlanta, GA

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