Adedayo Lawal

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Highly skilled and motivated young professional with growing experience in the area of full stack software and application development. Proficient in multiple programming languages such as Java, Python, JavaScript, and C#, with a good understanding of object-oriented programming, data structures, algorithms, frameworks and cloud technologies. Currently open to career opportunities in an intellectually challenging environment.

RELEVANT SKILLS

Tools/Languages: C/C++, Java, Python, C#, JavaScript, HTML, CSS, Spreadsheets, SQL (BigQuery), Tableau, R (RStudio)
Libraries, Frameworks, & Databases: React, Axios, Node.js, Express, D3, openFrameworks, Mongoose
Technical Skills: Object Oriented Programming, Data Structures, Algorithms, SDLC, Full Stack Development, Front-end Development, Back-end Development, UI Design, Data Visualization, Data Analysis, Data Collection, Data Cleaning
Strengths: Problem-Solving, Collaboration, Attention to Detail, Project Management, Communication

PROJECTS

GeoQuizzr Web Application [Demo] • *JavaScript, React, Node.js, Express, Mongoose*   **10/2023 - 12/2023**
- Developed a full-stack web application to learn about countries, utilizing MongoDB to manage country data and trivia
- Collaborated with a team of 4 other members, using task cards for effective delegation and conducting heuristic evaluations for UX/UI improvements
- Implemented user authentication and designed a responsive interface for flashcards and quizzes, enhancing user engagement through a functional Figma prototype

COVID-19 Global Trends Dashboard [Tableau] • *Tableau, CSV Data*   **06/2023**
- Designed an interactive dashboard using Tableau to visualize COVID-19 global trends, incorporating population density and COVID cases per million across all countries
- Implemented dynamic filtering with a scatter plot, world map, and color-coded legend to highlight countries by continent, allowing users to compare trends at different dates
- Enhanced user experience with interactive features, enabling continent-wide selections and cross-highlighting on both the scatter plot and map for deeper insights

PROFESSIONAL EXPERIENCE

Mathematics Tutor • *Mathnasium, Skokie, IL*   **10/2022 - 08/2023**
- Collaborated with a team to assess and identify individual student learning needs, developing personalized tutoring plans that resulted in improved student engagement and math comprehension across multiple grade levels.
- Incorporated a mix of direct teaching and Socratic questioning techniques, guiding students to independently discover mathematical concepts, which deepened their understanding and problem-solving abilities.
- Constructed a dynamic and supportive learning environment by regularly adjusting teaching methods, contributing to higher student retention and satisfaction rates over the course of the academic year.

Software Developer Engineer Intern • *Amazon, TX, Austin*   **05/2021 - 08/2021**
- Streamlined backend code for Amazon's new Open 3D Engine by constructing C++ classes and adding new features, reducing 200+ lines of code, which increased efficiency in developing new tools applications by at least 20%
- Enhanced problem-solving efficiency by studying existing code and external resources, leading to the identification and implementation of optimal solutions for current challenges
- Attended weekly stand-ups to discuss upcoming projects, fostering collaboration and promoting unanimity among team members

EDUCATION, CERTIFICATES, & CERTIFICATIONS

Google Data Analytics Certificate • *Merit America, Virtual*   **Expected 11/2024**
- Cultivated skills in the **collection**, **transformation**, **organization,** and **visualization** of data in order to draw conclusions, make predictions, and drive informed decision-making
- Completed **hands-on labs** and a **capstone project** (case study) to master the art and science of asking questions, preparing, processing, analyzing, visualizing, and acting on data as encountered in real-world scenarios
- Collaborated with training cohort to gain proficiency in team-based **project management**, **task prioritization**, **problem-solving**, and frequent use of **Google Workspace** tools

Bachelor's of Science, Computer Science • *University of Illinois at Urbana-Champaign, Champaign, IL*   **05/2024**
- 145 credits completed; Relevant coursework includes: Data Visualization, Software Engineering I, Data Structures, The Art of Web Programming