Emmanuel David

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Education

Florida Atlantic University Bachelor of Science in Computer Science | August 2024 Boca Raton, FL
- ***Relevant Coursework:*** Foundations of Computer Science, Principles of Software Engineering, Intro to Database Structures, Data Structures & Algorithms, Full-Stack Web Development
- Cumulative GPA: 3.475

Academic Projects

Full Stack Anime Movie Watchlist Application (2023)
GitHub: github.com/edavid2021/Fullstack-Movie-Watchlist-Application.git
- Engineered a full-stack web application using React.js for managing and tracking anime movies.
- Implemented a RESTful API that employed Node.js and Express.js to handle secure user authentication, retrieve personalized movie data, and enable efficient watchlist management; reduced manual data entry time by 80%.
- Conducted thorough testing and debugging for a robust application.
- Spearheaded the implementation of secure user authentication and authorization features.
- Garnered over 100 active users and received positive feedback on the user interface and functionality.
- Successfully orchestrated third-party API with 8 endpoints including movie details and search capabilities.

Full Stack Student Registration Software (2023)
GitHub: github.com/edavid2021/Fullstack-Student-Registration-Software-.git
- Developed a comprehensive full-stack web application with 6 API endpoints using React.js for student registration and management.
- Leveraged MongoDB for secure and efficient storage of over 80 student records, achieving a 40% improvement in data retrieval and management speed compared to previous systems.
- Defined search and filtering functionalities, resulting in a 25% reduction in the time required to locate specific student information.
- Received positive feedback from users, with a 98% user satisfaction rating, praising the application's efficiency and ease of use.

Technical Skills

- ***Languages:*** C/C++, HTML, CSS, JavaScript (jQuery), Python, Git
- ***Database Systems:*** SQL, MongoDB
- ***Frameworks:*** Node.js, Express.js, React.js, Bootstrap
- ***Tools:*** AWS, Heroku, GitHub, Firebase, Visual Studio Code, Postman
- ***Skills:*** Functional Programming, REST API, Third-Party API, Responsive Design, MERN Stack, UI Web Design

Work Experiences

Musician | Christian Life Center | June 2017 – Present | South Florida
- Adapted quickly to unfamiliar software for event preparation.
- Improved the efficiency of rehearsals by implementing a structured rehearsal plan, reducing overall rehearsal time by 30%.
- Learned and performed up to 7 new songs per week with less than a week notice.
- Provided invaluable guidance and support to fellow musicians, enhancing overall performance quality, and ensuring seamless execution of more than 50 live performances with zero critical errors or disruptions.
- Served as Music Director, leading a band of up to 5 adult musicians.
- Played an instrumental role in dynamic collaborative sessions, driving efficient resolution of complex technical challenges through active participation and shared expertise.

Music Teacher | Prestige Music Center | June 2018 – August 2018 | Sunrise, FL
- Developed up to 4 different comprehensive lesson plans and formats biweekly.
- Collaborated effectively with fellow teachers, parents, and students, fostering a positive and supportive learning environment.

- Employed innovative teaching techniques and approaches to make learning engaging and enjoyable for students.
- Received positive feedback from parents, with 95% expressing satisfaction with their child's progress and learning experience.