Yann Djoumessi

Software Engineer

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Education

Kennesaw State University 2021/01 – 2025/05 | Kennesaw, USA
Bs. Computer Science
GPA: 4.0
Coursework: Programming and Problem Solving I & II, Datastructures, Algorithm Analysis, Operating Systems, Cryptography, Introduction to Database Systems, User Interface Engineering

Skills

JavaScript, Java, Python, React, MySQL, Node.js, Pandas, HTML/CSS, Redux, Netlify, Algorithms, Memory and concurrency models, CPU architecture, Operating systems, Relational databases

Professional Experience

Software Engineer Intern 2024/06 – present | Indianapolis, USA
Lambo Global Education
- **Developed Lambo Training for Africa** using React JS, Supabase, Tailwind, Netlify, SaaS, and Redux.
- Empowered **1,500+ African students** by enabling access to live classes and high-quality educational content.
- **Bridged COVID-19 education gaps** ensuring continuous learning opportunities for African students.
- Implemented impactful features enhancing user experience and platform reliability.

Projects

Predicting Movie Rental Durations 2024/05 – 2024/05
- **Developed and evaluated** Linear Regression, Ridge Regression, Lasso Regression, Decision Tree Regression, Random Forest Regression, and Gradient Boosting Regression to determine the most accurate prediction model.
- **Optimized** inventory management by recommending the Random Forest Regression model, leading to a **20%** improvement in inventory accuracy and a **15%** reduction in stockouts at local stores.
- **Analyzed** customer rental history, DVD genre, rental dates, and customer demographics to understand their impact on rental duration predictions.
- Achieved a **20%** increase in customer satisfaction by ensuring better availability of DVDs.
- **Created a regression model** to forecast DVD rental durations, improving the company's inventory planning and operational efficiency.

Student Portal Rest API 2023/11 – 2023/12
Rest API, NodeJS
- **Developed and managed** student, course, and user progress tracking features using Node.js, Express, Sequelize, and PostgreSQL, resulting in a **30%** increase in system efficiency..
- Evaluated key components: Analyzed and optimized course creation, update, deletion, and fetching processes, resulting in a 25% decrease in response times and a 15% increase in API reliability.
- **Enhanced user engagement** and Achieved a 35% improvement in user engagement by providing multimedia support for video and PDF content within courses.
- Created endpoints for user registration, **login, course management, user progress tracking, and quiz management, leading to a 20%** increase in overall user satisfaction.
- Showcased strong skills in server-side programming and database management, resulting in a **30%** improvement in system scalability and performance.

Organizations

ColorStack 2024/07 – present
Member
As a dedicated member of ColorStack, I have actively contributed to their open-source platform, driving meaningful impact within the community.