Daniel Oyasodun

Newark, NJ

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Education

New Jersey Institute of Technology — Newark, NJ
Bachelor of Science in Computer Science — *Sep. 2022 – Aug. 2025*
Relevant Coursework: Data Structures & Algorithms, Database Systems, Operating Systems, Software Engineering

Technical Skills

Languages: Python, Java, C/C++, SQL
Backend & Frameworks: FastAPI, Django, Laravel, Redis, PostgreSQL
Frontend: React, TypeScript
ML & Analytics: PyTorch, scikit-learn, Pandas, Matplotlib
Cloud & DevOps: Docker, AWS, GCP, Git

Experience

Backend Software Engineer Intern — July 2025 - Aug. 2025
B The Cause — *Remote*

- Built REST API backend for AI platform analyzing student development gaps, serving dashboards for underserved youth.
- Refactored PHP/Laravel code and performed zero-downtime MariaDB migrations, reducing complexity and improving reliability.
- Implemented Laravel unit tests to validate CRUD operations and ensure seamless backend–frontend integration.
- Collaborated with frontend team and stakeholders in Agile sprints to deliver accurate, real-time dashboards.

Computer Science Tutor — June 2023 - Aug. 2023
New Jersey Institute of Technology — *Newark, NJ*

- Led coding workshops for 35+ students, raising average scores by 20% through custom materials and 1:1 debugging sessions.
- Created reusable code templates and debugging guides to accelerate lab sessions and improve problem-solving skills.

Projects

Fantasy Sports GM Assistant | Repository | Website
Next.js, TypeScript, FastAPI, PyTorch, Redis, LLM

- Deployed full-stack AI fantasy football platform with LLM integration for real-time player analysis and trade recommendations.
- Reduced API response time by 60% using Redis caching and optimized database queries.
- Maintained live production app, iterating on user feedback from a 12-team league to deliver feature updates and performance improvements.

Sports Data Analytics Repository | Repository
R, Python, Machine Learning, Computer Vision, Data Visualization

- Developed analytics portfolio with visualizations and ML clustering models (K-Means, Hierarchical) analyzing 500+ NBA/European players and teams by style and performance.
- Engineered predictive regression models achieving 91% accuracy (R^2) for NBA team win forecasting using Lasso and stepwise selection.
- Automated multi-season data collection and preprocessing pipelines for efficiency and reliability.

NBA Snapshot — Real-Time Android Score Tracker | Repository | Demo
Kotlin, XML, Room, Coroutines

- Architected Android app delivering sub-1-second NBA score updates with offline functionality using Room database caching.
- Optimized async API calls with Kotlin coroutines, reducing network overhead by 40%.
- Implemented MVVM architecture with LiveData ensuring clean separation of concerns and maintainable codebase.

Explore additional projects danieloyasodun.com