

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

Backend & Data: Python (FastAPI, Django), Java, C/C++, SQL, 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.
- Reduced codebase complexity via PHP/Laravel refactoring and zero-downtime MariaDB schema migrations.
- Implemented Laravel unit tests to validate CRUD operations and ensure reliable backend–frontend integration.
- Collaborated with frontend team and stakeholders in Agile sprints to deliver accurate, real-time dashboards for student progress.

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 enhance 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% through Redis caching layer and optimized database query patterns.
- 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.

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