

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, SQL, R, Java, C/C++, TypeScript, JavaScript

Data & Analytics: ETL Pipelines, Data Modeling, Tableau, Power BI, Pandas, NumPy

ML & Frameworks: scikit-learn, PyTorch, FastAPI, Django, React, Next.js

Databases & Cloud: MariaDB, PostgreSQL, Redis, AWS, GCP, Docker, Git

Visualization: Matplotlib, Seaborn, ggplot2, Plotly

EXPERIENCE

Backend Software Engineer Intern

July 2025 - Aug. 2025

B The Cause

Remote

- Built and containerized a REST API backend using Docker for an AI platform analyzing student development gaps, powering dashboards for underserved youth.
- Designed and implemented relational schemas in MariaDB, optimizing indexing and foreign key relationships to enhance API response times and data reliability.
- Developed automated unit tests and collaborated with cross-functional teams in Agile sprints to deliver data-driven features.
- Delivered weekly technical presentations to stakeholders, translating complex database architecture into actionable business insights.

Computer Science Tutor

June 2023 - Aug. 2023

New Jersey Institute of Technology

Newark, NJ

- Led coding workshops for 50+ students, raising average scores through custom materials and 1:1 debugging sessions.
- Developed reusable code templates and debugging guides to accelerate lab completion and improve problem-solving.

PROJECTS

Fantasy Sports GM Assistant — Data Pipeline + Full-Stack App | [Repository](#) | [Website](#)

Next.js, TypeScript, Python, FastAPI, Redis, LLM

- Built full-stack application with automated ETL pipeline that processes ESPN Fantasy API data, performing validation and transformation for real-time dashboards and AI-powered player insights.
- Improved API performance and scalability by implementing a Redis caching layer, enabling faster load times and real-time scoreboard updates for production users.
- Deployed and maintained the live application, continuously iterating on user feedback to deliver new features and performance enhancements.

Sports Data Analytics Repository | [Repository](#)

Python, R, SQL, Tableau, Machine Learning, GitHub Actions, Data Visualization

- Built automated ETL pipeline using GitHub Actions to scrape, clean, and process 1,000+ player records weekly, creating interactive dashboards and visualizations using Tableau, Matplotlib, and ggplot2.
- Engineered predictive regression model achieving 91% accuracy (R^2) for NBA team win forecasting and developed ML clustering models analyzing 500+ players by performance style.
- Automated multi-season data collection and performed complex SQL transformations using Pandas and dplyr to derive actionable insights.

NBA Snapshot — Real-Time Android Score Tracker | [Repository](#) | [Demo](#)

Kotlin, XML, Room Database, Coroutines, REST API

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

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