

# Daniel Oyasodun

Newark, NJ

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## EDUCATION

### New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science

Sept. 2022 - Aug. 2025

**Relevant Coursework:** Data Structures & Algorithms, Database Systems, Operating Systems, Software Engineering

## TECHNICAL SKILLS

**Languages:** Python, TypeScript, JavaScript, Java, C/C++, SQL, R

**Frameworks & Libraries:** React, Next.js, FastAPI, Django, scikit-learn

**Data & Visualization:** Pandas, NumPy, Matplotlib, Tableau

**Infrastructure:** AWS, Docker, PostgreSQL, MariaDB, Redis, Git

**Methodologies:** Agile/Scrum, Test-Driven Development, CI/CD

## EXPERIENCE

### B The Cause

June 2025 - Aug. 2025

Backend Software Engineer Intern

Remote, US

- Built and deployed a Dockerized REST API backend using Laravel (PHP) for an AI platform that analyzes student development data and identifies learning gaps.
- Collaborated with stakeholders in an agile environment to gather requirements, demo progress, and prioritize feature development based on user needs.
- Designed a MariaDB database schema and comprehensive test suite that helped the team ship features faster and with fewer bugs.
- Optimized database indexing and queries to support concurrent classroom access without performance degradation.

### New Jersey Institute of Technology

Jan. 2024 - May 2024

Undergraduate Research Assistant

Newark, NJ

- Designed SQL databases and analyzed athlete injury records using Python to identify correlations between training load and injuries for evidence-based prevention research.
- Built automated data cleaning pipelines for multi-season datasets and created visualizations that informed new rehabilitation protocols.

### New Jersey Institute of Technology

June 2023 - Aug. 2023

Computer Science Tutor

Newark, NJ

- Taught Python fundamentals through one-on-one sessions and group workshops for introductory CS courses.

## PROJECTS

### Soccer Analytics API — Data Platform

| Repository  
*TypeScript, GraphQL, PostgreSQL, Redis, Docker, Apollo Server*

- Built a platform that consolidates multi-season European soccer data, enabling scouts and analysts to query player stats and compare performances across leagues.
- Implemented caching and optimized database queries to make complex multi-table analytics fast and responsive.
- Built automated ETL pipelines to clean and unify raw soccer data for flexible analysis.

### Fantasy Football GM Assistant — Full-Stack App

| Repository | Website  
*Next.js, TypeScript, Python, FastAPI, Redis, LLM*

- Built a full-stack platform that processes live ESPN Fantasy data into interactive dashboards with an AI chatbot for league strategy.
- Implemented Redis caching to speed up frequently accessed data during high-traffic periods like gameday.
- Deployed for my fantasy league and iterated weekly based on user feedback throughout the season.

### Sports Data Analytics Repository

| Repository  
*Python, R, scikit-learn, Tableau, GitHub Actions*

- Automated weekly processing of player statistics with GitHub Actions to keep dashboards current.
- Trained machine learning models to forecast NBA wins and cluster players by performance style.
- Created visualizations exploring player efficiency, defensive impact, and positional trends across leagues.

### NBA Snapshot — Real-Time Android Score Tracker

| Repository | Demo  
*Kotlin, XML, Room Database, Coroutines, REST API*

- Developed an Android app tracking live NBA scores with offline caching via Room database.
- Optimized performance to handle multiple simultaneous live game updates using background coroutines.
- Implemented MVVM architecture with LiveData for responsive UI updates.