

Daniel Oyasodun

Newark, New Jersey

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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, Object-Oriented Programming, Software Engineering, Probability & Statistics, Operating Systems, Data Science

TECHNICAL SKILLS

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

Frameworks & Tools: React, FastAPI, Django, PyTorch, scikit-learn, REST, OAuth, pytest, Git, Docker, AWS, GCP

Data Tools: Pandas, NumPy, Excel, Tableau, Power BI, Matplotlib, Seaborn

Databases: PostgreSQL, MongoDB, DuckDB

Methodologies: Agile, Scrum, CI/CD, Test-Driven Development (TDD), Version Control

Operating Systems: Windows, Linux/Unix, Android

EXPERIENCE

Backend Software Engineer Intern

July 2025 - Aug. 2025

B The Cause

Remote

- Built backend infrastructure for an AI-powered educational platform that analyzes student traits to identify academic and social development gaps, serving underserved youth and their support networks.
- Streamlined database operations with zero-downtime MariaDB migrations and refactored PHP/Laravel code, reducing complexity by 30% and accelerating feature deployment for personalized learning tools.
- Developed automated testing suite for API endpoints using test-driven development (TDD) practices, serving student assessment data, ensuring reliable delivery of insights to parents, teachers, and mentors coordinating student support.
- Collaborated with frontend team in Agile sprints to integrate REST APIs powering real-time dashboards that enable stakeholders to access student progress data and coordinate holistic interventions.

Computer Science Tutor

June 2023 - Aug. 2023

New Jersey Institute of Technology

Newark, NJ

- Led coding workshops for 35+ students, improving class-wide assessment scores by 20% and mentoring students in debugging and problem-solving.
- Designed tailored study plans and interactive programming exercises to reinforce core computer science concepts and coding fundamentals.
- Conducted regular progress assessments and delivered actionable feedback, resulting in measurable improvement in student quiz and project performance.

PROJECTS

Fantasy Sports GM Assistant | Repository | Website

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

- Built and deployed an AI-powered fantasy football platform using Next.js/TypeScript frontend, FastAPI backend with Redis caching, and LLM integration—developed using Agile methodology with iterative sprints, CI/CD pipeline for automated deployment, and piloted by 12-team league with ongoing feature releases.

Sports Data Analytics Repository | Repository

R, Python, Machine Learning, Computer Vision, Data Visualization

- Developed a data analytics repository using Python and R to visualize and analyze top-flight leagues worldwide, combining machine learning, computer vision, and advanced data visualization to generate insights into player and team performance.

NBA Snapshot — Real-Time Android Score Tracker | Repository | Demo

Kotlin, XML, Room, Coroutines

- Engineered Android app delivering real-time NBA scores with sub-1-second updates and offline functionality using Room database caching, Kotlin coroutines for optimized async API calls, and MVVM architecture for maintainability

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