# 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, Bash, HTML, R
**Frameworks & Tools:** React, Next.js, Django, Laravel, REST, GraphQL, Git, Docker, AWS
**Databases**: PostgreSQL, MongoDB, DuckDB
**Operating Systems:** Windows, Linux/Unix, Android

## EXPERIENCE

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

- Streamlined backend database operations by designing and executing MariaDB migrations with zero downtime.
- Refactored PHP/Laravel models and controllers, reducing code complexity and enabling faster feature deployment for the platform.
- Developed automated unit and integration tests, cutting deployment issues.
- Collaborated with frontend team to integrate REST API endpoints, accelerating feature delivery.

**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.
- Created tailored study plans and interactive exercises to reinforce programming skills.
- Assessed student progress regularly and provided actionable feedback, helping learners achieve higher performance on quizzes and coding projects

## PROJECTS

**CourtQuery – Basketball Analytics Web App (In Progress)** | Repository — Sept. 2025 – Present
*FastAPI, Next.js, nba_api*

- Building full-stack NBA analytics platform processing 50+ years of data for 5,000+ players with FastAPI async backend.
- Designing interactive Next.js frontend to query players, teams, and advanced metrics.
- Developing automated pipeline with nba_api to ingest and process real-time game stats with error handling.

**AI Resume Builder — Job-Aware Resume Platform** | Repository | Website — Feb. 2025 – May 2025
*Django, React, PostgreSQL, JavaScript, REST APIs*

- Built an AI-powered platform to generate job-specific resumes, addressing the problem of generic templates.
- Implemented real-time collaborative editing with support for multiple concurrent users and automatic saving.
- Designed and deployed REST APIs with Supabase + Django for dynamic resume sections.
- Integrated secure authentication via Auth0; deployed frontend to Vercel and backend to Heroku.

**Sports Data Visualization — Data Analytics for Sports Insights** | Repository — Feb. 2025 – Present
*R, Python, Data Visualization*

- Created visualizations that make complex sports statistics accessible to both casual fans and analytics enthusiasts.
- Created NBA shot charts, EPL heatmaps, and other visualizations to translate metrics like shooting efficiency, player positioning, and more into clear visual stories.
- Applied K-means clustering, machine learning, and predictive modeling to uncover player groupings and performance trends.

**NBA Snapshot — Android NBA Score Tracker** | Repository | Demo — Nov. – Dec. 2024
*Kotlin, XML, Room, Coroutines*

- Built an Android NBA app with sub-1-second score updates and full offline support using Room DB caching.
- Optimized API calls using Kotlin coroutines, reducing data usage and battery consumption.
- Applied MVVM architecture to improve maintainability and efficiency.

*Explore additional projects danieloyasodun.com*