

Daniel Oyasodun

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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

BtheCause

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

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 tracking 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.

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