

Daniel Oyasodun

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EDUCATION

New Jersey Institute of Technology

Newark, NJ

Bachelor of Science in Computer Science

Sep. 2022 – Aug. 2025

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, Kotlin, JavaScript/TypeScript, Bash, HTML, XML, 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

- Designed and implemented database migrations for MariaDB, streamlining data structure updates and preserving data integrity across the application's backend.
- Engineered, optimized, and maintained PHP models and controllers using the Laravel framework, delivering clean, scalable backend architecture.
- Developed and executed automated test files to validate backend logic, improving reliability and reducing deployment issues in the production environment.

Computer Science Tutor

June 2023 - Aug. 2023

New Jersey Institute of Technology

Newark, NJ

- Led Java & Python workshops for 35+ students, boosting assessment scores by 20% through personalized study plans and coding exercises.
- Developed tailored study plans and interactive coding exercises, strengthening students' confidence and problem-solving skills.

PROJECTS

AI Resume Builder — Job-Aware Resume Platform | Repository | Website

Feb. 2025 – May 2025

Django, React, Supabase, Auth0, Heroku, Vercel

- Built a full-stack resume platform with AI-generated content, real-time editing, and export to PDF/HTML/Markdown.
- Designed RESTful APIs and implemented CRUD operations for dynamic resume sections using Django and Supabase.
- Integrated Auth0 for secure authentication; deployed React frontend on Vercel and backend on Heroku.

Sports Data Visualization — Data Analytics for Sports Insights | Repository

Feb. 2025 – Present

R, Python, Tableau, Data Visualization

- Maintaining an actively evolving repository of visual analyses covering the NBA, EPL, and other leagues to deepen understanding of sports analytics.
- Built shot charts, heatmaps, and scatter plots that translate advanced statistics into accessible insights for fans.
- Emphasizing clear data storytelling to communicate player styles, team strategies, and performance trends using real-world datasets.

NBA Snapshot — Android NBA Score Tracker | Repository | Demo

Nov. – Dec. 2024

Kotlin, XML, Room, Coroutines

- Designed a Kotlin-based Android app for real-time NBA scores using ESPN's API, with offline caching via Room DB.
- Utilized Kotlin coroutines for background data fetch and smooth UI updates.
- Applied MVVM architecture to improve maintainability and API efficiency.

Simple Pascal-Like Compiler — Custom Language Interpreter

Nov. 2023 – Dec. 2023

C++, Compiler Theory

- Constructed a compiler featuring lexer, recursive-descent parser, and interpreter components for a Pascal-like language.
- Applied compiler design principles to implement tokenization, syntax parsing, and code execution, demonstrating strong systems programming skills.

Explore additional projects and code samples at danieloyasodun.com