# Daniel Oyasodun

## Newark, New Jersey

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## EDUCATION

**New Jersey Institute of Technology** — Newark, NJ
*Bachelor of Science in Computer Science* — *August 2025*

## TECHNICAL SKILLS

**Programming Languages**: Java, Python, Bash, C / C++, C#, HTML, JavaScript, Kotlin, XML, R
**Frameworks & Tools**: Git, React, Next.js
**Operating Systems**: Windows, Linux, Unix, Android
**Libraries**: Pandas, NumPy, Plotly, Matplotlib, Seaborn, DuckDB

## EXPERIENCE

**IT Volunteer** — May 2023 – Present
*CDHDM* — *Union, NJ*

- Diagnosed and resolved Windows hardware/software issues, reducing system downtime by 30% and improving IT efficiency.
- Conducted hands-on training sessions, enhancing staff digital literacy and decreasing recurring IT issues by 25%.

**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

**Sports Data Visualization** | *R, Python, Data Visualization* | Repository | Ongoing — Feb. 2025 – Present

- A collection of projects and experiments to practice and learn data visualization techniques using R and Python.
- Exploring sports data across various disciplines, including the NBA, the EPL, and other sports, to create visualizations such as shot charts, heatmaps, and performance analysis graphics.
- Developing a deeper understanding of data storytelling and sports analytics to effectively present complex data and insights.

**LinkUp** | *TypeScript, Tailwind CSS, React, Next.js* | Repository | Website — Jan. 2025

- Developed a scalable social media platform with real-time posts and media uploads.
- Optimized server-side rendering (SSR) and lazy loading, improving server response time and ensuring seamless content delivery
- Integrated Neon (PostgreSQL) for scalable database management, Clerk authentication for secure user sign-ups and Uploadthing for seamless image uploading.

**NBA Snapshot** | *Kotlin, XML* | Repository | Walkthrough — Dec. 2024

- Built an Android app for real-time NBA scores and analytics via ESPN's API, leveraging Room caching to reduce load times.
- Implemented Room database caching for offline access, reducing API calls and improving app performance.
- Used Kotlin coroutines for efficient background processing, ensuring smooth UI interactions.

**Simple Pascal-Like Compiler** | *C++* — Nov. 2023 - Dec. 2023

- Designed and implemented a compiler for a Simple Pascal-Like language, including a lexical analyzer, recursive-descent parser, and interpreter to tokenize, validate, and execute code.
- Applied compiler design principles and language processing techniques in C++, demonstrating expertise in syntax analysis, parsing, and program execution.