David Oladipupo

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EDUCATION

University of North Texas   **Denton, TX**

Bachelor of Science - *Computer Science*   *Graduation Date: May 2027*

GPA: 3.8

Relevant Coursework: *Data Structures & Algorithms, Object-Oriented Programming, Applied Statistics.*

TECHNICAL SKILLS

- **Languages:** C++ (Intermediate), Python (Intermediate), SQL, JavaScript.
- **Data & Backend:** Node.js, JSON Data Handling, RESTful APIs, File I/O, Redux (State Management).
- **Tools:** Git, GitHub, VS Code, Linux/Unix.

LEADERSHIP & INVOLVEMENT

Professional Leadership Program   **Denton, TX**

Member   *Aug 2025 - Present*

- Selected for a competitive program to develop leadership, communication, and professional etiquette.
- Actively participate in weekly workshops, networking events with industry professionals, and speaker talks.

PROJECT EXPERIENCE

E-Commerce API & Data System   **Remote**

Personal Project (React, Node.js, Redux)   *Nov 2025 - Present*

- Engineered a custom **RESTful API** using **Node.js** to serve 26 structured product entries, achieving sub-10ms data retrieval speeds.
- Designed server-side data transformation modules to serialize raw database entries into clean **JSON** objects for frontend consumption.
- Implemented complex state management using **Redux Toolkit** to handle asynchronous data flow and ensure consistency across the application.

Library Inventory System   **Remote**

Personal Project (C++, Algorithms)   *Nov 2025 - Present*

- Built a high-performance console application to manage a database of over 500 records using **C++**.
- Developed a custom **File I/O (Input/Output)** system to persist data, effectively serializing objects to binary files for long-term storage.
- Optimized search and sorting algorithms to reduce runtime complexity, ensuring instant retrieval of records by ID or Category.

CERTIFICATIONS

- **What is Data Science?** | IBM | Issued: Oct 2025