TINODAISHE LINCOLN CHITSWA

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Education

Rust College   **Sept 2024 – May 2028**
Bachelor of Science in Math and Computer Science GPA 3.7/4.0   *Holly Springs, MS*

Relevant Coursework

- Data Structures
- Web Development
- Algorithms Analysis
- Python Programming
- Calculus 1, 2 & 3
- Linear Algebra
- Physics 1 & 2
- Number Theory

Experience and Leadership

DataWhys-University Of Memphis   **June 2025 – July 2025**
Data Science Intern   *Memphis, Tennessee*

- Collaborated with university faculty and graduate mentors to apply advanced concepts in Data Science and Machine Learning toward solving practical, real-world issues.
- Analyzed 40 datasets through exploratory methods and developing predictive algorithms using tools like data visualization and machine learning models(KNN, decision trees, random forests,linear/multiple/logistic regression) to generate insights that support targeted marketing strategies.
- Analyzed 1,240 pre/post surveys from 5 Memphis-area schools and identified a +0.58-point jump in environmental stewardship scores after program delivery.
- Built a Pandas-based ETL pipeline that cut data-cleaning time from 85s→53s and documented the process in a reproducible Jupyter notebook.

Rust College   **Jan 2025 – Present**
Peer Academic Coach /Mentor   *Holly Springs, MS*

- Initiated and led a campus club to enhance programming skills and career readiness for underrepresented students and volunteered to Mentor over 25 students of whom 20 managed to secure research and internship opportunities.
- Integrated effective study and learning strategies to maximize students' academic progress in Basic Computer Programming, Calculus 1 and 2, Abstract Algebra, effectively tutoring 10 students in Python and C++ and Data Structures.
- Delivered an impressive 20 percent average grade increase by leveraging instructional and methodologies, driving grade enhancements and concept mastery.

Projects

AI Research Assistant Agent | *Python, LangChain, Open AI, DuckDuckGo API, Wikipedia API*   **June 2025**

- Built an autonomous AI research assistant in Python with LangChain Agent Executor, integrating custom DuckDuckGo + Wikipedia tools for real-time, structured information retrieval.
- Engineered orchestration prompt templates, structured parsers, secure API-key handling, error management, and virtual-environment isolation—while saving outputs to reusable data files.
- Delivered production-ready code which is fully typed, modular, version-controlled, and documented for easy reuse and extension.

Smart Bill Splitting + Payment Tracker | *React, Firebase, Tailwind-CSS, Firestore*   **April 2025**

- Developed a responsive web app to track, split, and manage bills using Firebase Auth and Firestore for real-time updates and secure user data.
- Built custom logic for bill splitting, payment status tracking, and group balance calculations.
- Deployed to Vercel with visual analytics dashboards, ensuring fast performance and mobile-friendly design.

Smart Chrome Extension | *React, Vite, ManifestV3, Firebase, OpenAI API*   **April 2025**

- Developed a Chrome extension with a modern React frontend, supporting popup and background scripts using Vite bundler.
- Connected to a Vercel-hosted backend for AI-powered features like data logging and GPT intergration.
- Ensured secure data handling and fast UI performance through Firebase Auth, cloud storage, and efficient state management.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: React, Node.js, ASP.NET , GitHub, Linux