

Giovanni Ohashiegbula

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EDUCATION

Louisiana State University

Bachelor of Science, Computer Science, Second Discipline in Mathematics

Dec 2024

Baton Rouge, LA, USA

- **GPA:** 3.23
- **Achievements:** Deans List (x2), S&B Engineers and Constructors Scholarship Winner (x2)

WORK EXPERIENCE

Revature

Apr 2025 - Jun 2025

Software Engineer Trainee

Remote

- Delivered a social-media REST service in Spring Boot, delivering eight JSON endpoints that provide complete user and message level CRUD on an H2 in-memory database.
- Created parameterized JDBC queries and a singleton connection pool that eliminated connection leak issues, improving CI reliability and system stability
- Harnessed core Spring MVC features like @RestController, request-mapping annotations, validation, and centralized exception handling, to return precise HTTP status codes and JSON responses, producing self-documenting, maintainable endpoints and cutting debugging time.

Pennington Biomedical Research Institute

May 2024 - Aug 2024

Machine Learning Engineer Intern

Baton Rouge, LA

- Built a Jupyter ML pipeline that identified key biomarkers through feature selection and correlation analysis, offering a cost-effective alternative to DEXA scans.
- Selected top biomarkers from 49 features for ALM, BMD, and BFP prediction, boosting model interpretability and eliminating 60% of noninformative attributes.
- Evaluated Polynomial Regression, SVR, Random Forest, and XGBoost pipelines, improving predictive accuracy by 20% and reducing MAE by 15%.

AP Lifting Gear Limited

Jun 2021 - Aug 2021

Software Engineer Intern

Remote

- Implemented responsive layouts in HTML, CSS, JavaScript, improving Lighthouse mobile accessibility score.
- Reduced average page load time by 30% via image compression, caching, and code splitting, increasing session duration by 18%.
- Integrated WordPress and PHP feature deployments, cutting content update downtime by 15%.

PROJECTS

Building Dreams: Custom PC Configurator | Django, React(Next.js), TailWindCSS

Mar 2024 - May 2024

- Co-developed custom PC building website, utilizing Django and React (NextJS), that allowed users to select compatible components for their builds, leading to a decrease in build configuration errors
- Developed the homepage and sign-in/sign-up interfaces using React (NextJS) and TailwindCSS, implementing client-side routing, form validation, and persistent session handling to streamline user onboarding
- Integrated frontend with the Django backend by creating REST API calls for database entry, and conducted parts research to curate and filter PC component listings for compatibility and price totaling features

Alpha-Generator: Quantitative Trading Algorithm | Python, NLTK, scikitlearn, Alpaca

Sep 2023 - Dec 2023

- Co-developed an AI-driven stock trading assistant that leveraged machine learning for predictive analytics, automated trade execution, and real-time portfolio insights
- Developed data ingestion pipelines and API interfaces to retrieve, normalize, and store real-time market and sentiment data from Alpaca and other external sources, ensuring seamless data flow into the predictive engine
- Implemented C++ DataFrame modules for normalization, rolling mean/standard deviation calculations, and feature extraction functions to prepare high-quality datasets for the ML models driving stock predictions

SKILLS

- **Language :** Python, C++, Java, C#, HTML, CSS, PHP, SQL
- **Frameworks & Tools:** Unity, Django, React, Next.js, Angular, Vue.js, .NET, Docker, GTMetrix, WordPress, Node.js, Pandas, Scikit-learn, NLTK, YFinance, Alpaca, Rest APIs, Websockets, Git, Google Pagespeed, Jupyter, Spring Boot, JDBC
- **Methodologies:** OOP, SDLC, Rest APIs, Agile, Scrum, TDD