Michael-Andre Odusami

New York, United States
LinkedIn: michael-andre-odusami

Email: modusami03@gmail.com
Portfolio
Github: modusami

EDUCATION

Virginia Tech · Blacksburg, Virginia
Bachelor of Science - Computer Science · *August 2023 - Winter 2025*

Relevant Courses: *Introduction to Software Design, Software Design & Data Structures, Engineering 101, Object Oriented Programming in C++ 1 & 2, Foundations of Information Systems with SQL, Networks & IT, Introduction to Game Design & Development in C# and Unity*

EXPERIENCE

Software Engineer Teaching Assistant · Virginia Tech
Undergraduate Teaching Assistant · *Aug 2024 - Present*
- : Teaching students the fundamentals of OOP with Java, software design principles, and algorithmic problem solving.

IT Intern · TDI - a Blackstone Portfolio Company
New York City Metropolitan Area · *May 2024 - Aug 2024*
- : Served as an IT intern on the technology side of the Champlain Hudson Power Express (CHPE) project, a $6 billion initiative developed to support New York state's transition to clean energy
- : Played a crucial role in incorporating automation using Python, Java, Microsoft Power Automate, Power Apps, and Power BI, significantly improving project efficiency
- : Automated the critical process of sending timely notifications to stakeholders, reducing the risk of project delays that could result from manual oversight in stakeholder communications

Software Developer Intern · ipNX
Lagos, Nigeria · *Jul 2023 - Aug 2023*
- : Spearheaded the UI/UX project team in designing and implementing a new, more accessible customer form, resulting in a 30% increase in customer satisfaction for asset incident reporting and request processes
- : Developed a dynamic wizard-style form using JavaScript and PHP, incorporating a robust backend for data sanitization and security, effectively preventing potential security breaches
- : Optimized the customer request and incident resolution process, leading to a 10% decrease in solution time and improved overall efficiency
- : Collaborated with cross-functional teams to gather requirements, implement features, and ensure seamless integration of the new form into existing systems

PROJECTS

- **Mapabillty - VTHACKS Winner Project (CoStar Best Real Estate Hack)**: View Project
  - : Developed an app allowing underrepresented groups to review buildings based on accessibility and friendliness metrics
  - : Implemented user authentication and database management using **Propel Auth**, **MongoDB** and **Docker** for backend infrastructure
  - : Created a responsive frontend using **Next.js**, **ShadCN**, **TailwindCSS**, and integrated **Google Maps API**
  - : Incorporated **AI-based activity planning** using **OpenAI's LLM** to generate personalized and accessible journey plans
  - : Utilized **FastAPI** for creating and managing APIs, and deployed the backend on **AWS Lambda**

- **Bytes - HooHacks Hackathon Winner (Best Accessibility Hack)**: View Project
  - : Developed a short-form news application inspired by modern social media interfaces using **React Native**
  - : Integrated **NewsAPI** to source consistent news headlines across various categories
  - : Implemented user authentication and crucial news posting for administrators using **PropelAuth**
  - : Utilized **MongoDB** for backend data storage and **Cloudinary** for image storage and delivery
  - : Created a cross-platform mobile app compatible with both **Android** and **iOS** using **Expo Go** for simulation

- **Expense Tracker CML App**: View Project
  - : Designed and Implemented a CRUD functionality CML expense tracker that manually keeps track of expenses made
  - : Utilized: Java, Spring Boot, Hibernate, MySQL, Spring Data JPA

SKILLS & CERTIFICATIONS

- **Programming Languages**: Java, Python, Typescript, Javascript, C++, PHP, C#
- **Frameworks**: Spring Boot, React, Next.JS, Vite, Tailwind, React Native, Node, ExpoGo
- **Tools/Platforms**: Git, Postman, Microsoft Power Apps & Automate, Microsoft Excel, AWS Lambda, Unity
- **Database**: MySQL, MongoDB, PostgreSQL, REST APIs, ORM
- **Certifications**: CodePath Intermediate Web Development