

TAMUNOIBIGONI INYE-TAM

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EDUCATION

Purdue University - Fort Wayne | Fort Wayne, IN

Bachelor of Science in Computer Science | Minor: Information Technology | August 2022 - December 2026

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Computer Networks, Web Development

TECHNICAL SKILLS

Programming Languages: Java, TypeScript, JavaScript, Python, C, SQL

Frameworks: React, Next.js, Node.js

Cloud & Tools: AWS (EC2, S3, deployment), Git, GitHub, Netlify

Web: HTML, CSS

PROJECTS

Level-Up Meds Web Application (Next.js, SQL, AWS) ~ Capstone Project - In Progress

Collaborating in a team of 4 students and working alongside industry interns to develop a full-stack web application as part of a year-long capstone initiative.

- Integrating third-party APIs for real-time medication and health data retrieval.
- Contributed to cloud-based application architecture using AWS (EC2, S3) to support scalability and modernization.
- Optimized client-side rendering and state updates to improve responsiveness and usability.
- Delivered features from initial requirements through implementation, testing, and deployment in an Agile team environment.

Algorithm Visualizer (React.js) | [GITHUB REPO](#)

Engineered an education web application that visualizes sorting algorithms

- Built a Single Page Application (SPA) using React with component-based architecture and state-driven UI updates.
- Implemented interactive visualizations with a focus on performance, responsiveness, and user experience.
- Added user controls for algorithm speed, array size, and reset behavior to improve interactivity and learning outcomes.
- Managed dependencies and build tools using Node.js for development and deployment.

Auto Loan Calculator (Java/JavaFX) | [GITHUB REPO](#)

Developed a fully functional loan calculator desktop application in Java with JavaFX, emphasizing performance, reliability, and user experience.

- Engineered comprehensive input validation and error handling to eliminate calculation errors and ensure system stability.
- Designed and implemented an intuitive JavaFX interface that simplified loan simulations and improved usability for non-technical users.
- Conducted systematic unit and edge-case testing, improving accuracy and reducing potential failure points by identifying and resolving exceptions early.
- Performed functional testing and debugging to ensure correctness, reliability, and edge-case handling.

WORK EXPERIENCE

Best Buy | Lansing, IL

Geek Squad Technical Consultant | May 2023 – Present

- Diagnosed and resolved hardware/software issues across Windows and macOS systems for 10+ clients daily.
- Installed and configured home and small-business networks, improving performance and reliability.
- Automated routine troubleshooting steps using scripts and documented workflows.

ACTIVITIES

Robotics Club | Fort Wayne, IN

- Analyzed sensor data to improve robot navigation efficiency during competition trials.
- Documented configuration management and testing results for performance evaluation.
- Collaborated with team members to implement system improvements.