

Nnamdi Kelvin Ikenna-Obi

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EDUCATION

Auburn University

B.S, Computer Science in Engineering

Auburn, AL

January 2020 – December 2023

Relevant Courses: Data Structures, Algorithms, Intro to Operating Systems, Database Management Systems, Data Mining, UI Design & Evaluation, Software Quality Assurance, Formal Languages, Intro to Computer Networks

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, SQL, Java, HTML, CSS, C/C++, R

Tools/Frameworks: React.js, Node.js, Express, Git & GitHub, unit test, Junit, Java Swing, REST API's, Docker/Kubernetes, ServiceNow

Databases: MySQL, PostgreSQL, SQLite, Firebase

EXPERIENCE

Research Software Engineer – Auburn University Program Understanding Lab

May 2023 – Present

- Contributed to the development of Oxide, a binary analysis framework for performing analysis of executable code, by developing new plugins and modules in Python, expanding its functionality.
- Strengthened system reliability with comprehensive Python unit tests for previously untested modules.
- Improved oxides documentation for improved user guidance.
- Collaborated seamlessly with a research and development team using Git and GitHub for version control.

Learning Consultant (Instructional Technology) – Auburn University Biggio Center

June 2022 – Present

- Provided top-tier support for faculty and students in using classroom technology.
- Demonstrated exceptional problem-solving skills and meticulous attention to detail in resolving IT issues.
- Efficiently managed IT problem tickets in ServiceNow, ensuring updates reflected based on problem status.

PROJECTS

nnamdixobi.com – React.js | JavaScript | HTML | CSS

August – September 2023

- Created a dynamic personal portfolio website using React.js with modern UI/UX principles, cross-device compatibility, and enhanced user engagement. Utilized third-party libraries like React Router for smooth navigation and animations and JavaScript array map function for dynamic project displays and more.

Online Shopping System – Java | Java Swing | SQL | RESTful API | Microservices

February – April 2023

- Created an online shopping system in Java with user authentication, role-based access, and utilized SQLite for data storage. Additionally, designed and implemented RESTful web server and Java-based microservices for key functionalities.

NASA APOD Website Project – JavaScript | HTML | CSS | NASA API

September 2023

- Enhanced NASA's Astronomy Picture of the Day (APOD) website by integrating their open API with JavaScript, offering users real time access to captivating astronomical content.

LEADERSHIP & INVOLVEMENT

President - Auburn University Web Development Club

2022 – Present

- Curated and organized web development content and projects for weekly meetings, engaging over 20 members through interactive presentations, hands-on learning activities, and fostering collaborative initiatives.

Secretary - Association of Computing Machinery Auburn University

2022 – 2023

- Facilitated organizational operations by sending out weekly email updates to over 100 members, contributing to outreach initiatives, and assisting in the strategic planning and execution of events.