Nnamdi Kelvin Ikenna-Obi

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EDUCATION

Auburn University   **Auburn, AL**
B.S, Computer Science in Engineering   January 2020 – December 2023

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript, SQL, C++, R
Tools/Libraries: React.js, Java Swing, Git & GitHub, Junit, ServiceNow, RESTful API, Docker
Databases: 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-related issues.
- Efficiently managed IT problem tickets in ServiceNow, ensuring updates reflected based on problem status.
- Collaborated seamlessly with OIT Classroom Support, facilitating swift resolution of complex technical issues.

PROJECTS

nnamdixobi.com – React.js | JavaScript | HTML | CSS   **August – September 2023**
- Designed and developed a dynamic personal portfolio website using React.js, showcasing modern UI/UX principles, and enhancing user engagement.
- Ensured cross-device compatibility via the implementation of CSS variables and media queries.
- Leveraged third-party libraries like React Router and used JavaScript's array map function for smooth navigation, animations, and dynamic project displays.

Online Shopping System – Java | Java Swing | SQLite | RESTful API | Microservices   **February – April 2023**
- Developed a complete online shopping system with user authentication and role-based access for buyers and sellers, including product orders and listings.
- Designed a client/server architecture in core Java and utilized SQLite database for data storage.
- Designed and implemented a RESTful webserver and Java-based microservices for critical functions.

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.

INVOLVEMENT

- President, **Auburn University Web Development Club** (2022 – Present)
  - Curated and organized web development content and projects for weekly meetings, tailoring topics to accommodate different skill levels.
  - Engaged members through interactive presentations, hands-on learning activities, and collaboration.
- Secretary, **Association of Computing Machinery Auburn University** (2022 – 2023)
  - Facilitated organizational operations by sending out weekly email updates, contributing to outreach initiatives, and assisting in the strategic planning and execution of events.
- Member, **Association of Computing Machinery Auburn University** (2020 – Present)