Anthony Okoro

Halifax, NS | 438-992-1089 | aokoro@dal.ca | LinkedIn

COOP STATUS

Available for a 4-month work term from September 1st, 2024, to December 31st, 2024
Completed 5 out of 8 study terms as of August 31st, 2024.

EDUCATION

Dalhousie University **Sep 2021 – Dec 2025 (Expected)**
Bachelor of Electrical and Computer Engineering Halifax, NS
Certificate in Biomedical Engineering
Relevant Courses: Data Structures and Algorithms, System Analysis, Computer Architecture, Digital Logic, and Electronics

SKILLS

- **Software Development:** I possess strong programming skills in C/C++, Python, MATLAB, and Simulink, with a proven ability to design, develop, and debug software solutions across diverse engineering and technical applications.
- **Time Management*:*** Working part time while in school for full time studies has helped me cultivate great time management routines that I can transfer into any role.
- **Problem-Solving:** Demonstrated ability to analyze complex issues, identify root causes, and generate practical solutions to meet objectives and resolve challenges effectively.
- **Team Collaboration: S**killed in working cohesively with cross-functional teams, fostering positive relationships, and contributing to a collaborative work environment.
- **Business Analysis:** My experience as a Technical Business Analyst at J.D. Irving has equipped me with strong business analysis skills. I have developed a solid foundation in handling, processing, and interpreting complex business data, enabling me to extract valuable insights and make informed decisions to drive business growth and efficiency.
- **Technical Proficiency:** Proficient in Microsoft Office Suite, including Excel for data management and analysis, and experience with software such as Microsoft Automate, PowerApps, and Power BI for process automation, tool development, and data reporting.
- **Field Support:** Experience in creating schedules, conducting site visits, reviewing technical documentation, managing contractors, and consulting with survey groups to support construction and operations activities.
- **Technical Report Writing:** My technical writing skills, honed through coursework and hands-on experience in electrical and computer engineering, facilitate clear documentation of complex projects. Combined with analytical prowess, I effectively communicate engineering solutions, fostering project success and team collaboration.

WORK EXPERIENCE

J.D Irving Limited IT Division **Jan 2024 – Apr 2024**
Technical Business System Analyst (Coop) Halifax, NS

- I played a vital role in supporting operational initiatives within the Canadian Surface Combatant (CSC) Program at Irving Shipbuilding Inc. Tasked with understanding project requirements and contributing to the implementation of technology solutions, I collaborated closely with cross-functional teams. By leveraging my technical expertise and communication skills, I successfully supported various aspects of the CSC Program, gaining valuable insights into shipbuilding operations, and making meaningful contributions to critical projects.
- I identified an opportunity to streamline the manual Procure to Pay (P2P) process within Irving Shipbuilding Inc. As the business analyst for the automation project, I led efforts to define project objectives, conduct a time-cost analysis, and collaborate with stakeholders. Utilizing Azure DevOps for project management, I oversaw the successful implementation of automation solutions. This resulted in significant annual cost and time savings, improving efficiency and accuracy in procurement operations, and enabling the reallocation of resources to strategic tasks.
- I focused on enhancing cybersecurity measures to ensure controlled access and secure interactions with third-party vendors. By implementing a meticulous process for handling IP whitelisting requests, which involved verifying the authenticity and stability of vendors' IP addresses, I collaborated effectively with the Security Operations (SecOps) Team. This initiative successfully established secure interactions with third-party vendors, ensuring compliance with federal safety standards, and mitigating potential security risks, thereby facilitating seamless access to sensitive data repositories.
- Led the development and implementation of a cable management system for the ships under construction, resulting in a 15% reduction in time spent and a notable increase in cable maintenance efficiency. I identified opportunities for optimization, collaborated with stakeholders, and oversaw the successful integration of the solution into existing workflows.

Concentrix Inc. **May 2020 – Sep 2023**
Technical Support Halifax, NS

- Daily managed over 50 client inquiries on iOS-based devices, proficiently addressing concerns related to production installation, setup, billing, and payment procedures. Demonstrated commitment to client satisfaction by providing exceptional service, assisting with account recovery, and ensuring accurate information updates.
- Oversaw data recovery initiatives for clients, ensuring the seamless execution of procedures. Additionally, facilitated the enrollment of clients in a robust two-factor authentication system, substantially enhancing their data protection and fortifying security measures.

SkipTheDishes Restaurant Inc. **Sep 2018 – Mar 2020**
Courier Technical Support Winnipeg, MB

- Provided prompt and adept technical assistance to active couriers through the Zendesk platform, proficiently managing order assignments to couriers within designated delivery zones. Demonstrated keen judgment in balancing capacity and order volume for optimal efficiency.
- Successfully tackled a diverse array of order-related issues across various systems for geographically dispersed end-users. Employed effective problem-solving skills to resolve challenges swiftly, ensuring seamless order processing and customer satisfaction.

PROJECTS EXPERINCE

Home Security System, Engineering Design II (Electrical) Term Project **May 2023**

- Conceptualized and engineered an embedded processor tailored for brute force detection, leveraging PIR sensors, Hall Effect sensors, and an array of peripherals, thereby detecting breaches within a remarkable 6-second timeframe.
- Orchestrated the creation of an all-encompassing software test plan, meticulously assessing the results of subsequent testing phases.
- Spearheaded the derivation and analysis of the software requirements, engaged in peer reviews of the source code, and orchestrated the development of a comprehensive software test plan, scrutinizing the subsequent test outcomes.
- Articulated the project's breadth and objectives by crafting precise and lucid technical specifications, conveying the project's essence to the class through a well-structured project summary presentation.
- Achieved an Exceptional A+ grade in the course reflecting consistent excellence throughout the course.

Traffic Light Controller, Electric Circuit Term Project **Oct 2022**

- Devised and executed a traffic control signal system prototype, utilizing critical components like the ATmega328 microcontroller, photosensitive resistor, and 555 timers.
- Played a pivotal role in evaluating, testing, and refining the system's functionality and algorithms. This involved the rigorous identification and resolution of potential issues, the optimization of traffic flow, and the enhancement of safety measures.
- Utilized Visual Studio to seamlessly integrate disparate software modules into one cohesive, clean, and readable source code file. Employed the debugger for in-depth code analysis and debugging, resulting in increased code efficiency.
- Diligently documented the entire design life cycle, providing detailed records of each design process and iteration. Produced a comprehensive final project report submitted on the testing day, highlighting the evolution and success of the project.

VOLUNTEER AND EXTRA-CURRICULAR EXPERIENCE

Safe Harbor Research and Technologies Ltd **Oct 2022 - Present**

- I optimized the Python code for cutting-edge underwater technology applications, enhancing script clarity and system efficiency. This optimization expedited project development and deployment processes.
- I worked on strengthening the safety protocols for underwater equipment, concentrating on pioneering heat release methods to uphold operational safety and align with industry standards.
- Installation and configuration of solar panels and charge controllers for underwater technologies, significantly boosting the sustainability and operational efficiency of energy systems.

Dalhousie University Autonomous Underwater Vehicle Team (AUV) **Oct 2022 - Present**

- Designed and simulated complex circuitry for embedded systems, specifically for sensor applications, utilizing LTSpice and PSpice Applications to ensure optimal performance and reliability.
- Facilitated effective communication with cross-functional teams, ensuring the timely sourcing of circuit components from platforms like Digi-key, ensuring seamless procurement to meet project deadlines.
- Actively preparing for the RoboSub competition, a prestigious Autonomous Underwater Vehicle (AUV) competition held annually in the United States.