Daniel Kolawole

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EDUCATION

Carleton University   September 2021 – May 2026

Bachelor of Computer Science   *Ottawa, ON*
- **Major:** Computer Science Honors
- **Relevant Coursework:** Database Management Systems(SQL), Fundamentals of Web Applications(CSS, HTML, JS), Object-Oriented Software Engineering(C++), HCI, Discrete Structures, Data Structures and Algorithms(Java), OOP(Java)

EXPERIENCE

Sales Associate/Self serve Co-worker   August 2023 - Present

IKEA Ottawa   *Ottawa, ON*
- Engaged with customers to provide information and assistance, enhancing their shopping experience.
- Employed product knowledge for recommendations and facilitated purchase decisions.
- Managed inventory and stock levels, ensuring product availability on the sales floor.
- Contributed to visual merchandising and store presentation for a welcoming environment.
- Displayed adaptability and problem-solving in addressing customer inquiries and issues.

Supervisor - Volunteer

The Door Youth Center   *Ottawa, ON*

PROJECTS

Health And Fitness Club Management System| *JavaScript, PostgreSQL, CSS*
- Engineered a full-stack web app that manages gym member records and monthly payments..
- Crafted an intuitive and responsive JavaFX user interface streamlining data entry and retrieval.
- Implemented key features such as user registration, including member registration, secure login sessions, and real-time updates to member records in the database.
- Utilized a PostgreSQL database to facilitate a large user base which includes, storing gym member data including monthly payments and user information.

AED Plus | *C++, Qt framework*
- Designed and developed a software simulation for the AED Plus system with a focus on GUI and real-time feedback.
- Modules include cardiac arrhythmia detection and user interaction in emergencies.
- Produced comprehensive design documentation and a prototype in C++ using the Qt framework.
- Achieved 95% accuracy in arrhythmia detection and enhanced response times by 40%.

PhotoGram Application | *C++, Makefile*
- Built an advanced photo management tool focusing on operator overloading, data abstraction, and multiple inheritance.
- Implemented polymorphism, templates, and a custom Array class template for efficient data handling.
- Improved search efficiency by 30% and reduced memory usage by 20% through advanced sorting and tagging features.

TECHNICAL SKILLS

- **Programming Languages**: Python, C, C++ , JAVA, JavaScript, PostgreSQL, Haskell, Kotlin, Unix, MySQL
- **Web Development**: CSS, HTML5, PHP, ReactJS, TailwindCSS, Node.js, Next.js
- **Frameworks/Version Control/Technologies**: Windows, Linux, Git, GitHub, SPSS Statistics
- **Developer Tools**: VS Code, Visual Studio, Atom, QtCreator, Linux, MongoDB, BASH, CMD, Microsoft 365, Valgrind, GNU Compiler Collection(G++, GCC).
- **Specialized Skills**: Object-Oriented Design, Data Structures and Algorithms, Data Modeling, Validation, Processing, MapReduce, Distributed Technologies (HDFS, Spark, Golang, Hadoop, Mongo, Pig, Hive), API Design, Embedded Processors, Real-Time Operating System Concepts, Client-Server Protocol

EXTRACURRICULAR SKILLS

Other Experience: Mr.Lube(Upper/Lower Tech), Jiffy Lube(Service Advisor)

Non-technical Skills: Teamwork, Communication, Time-management, Problem-Solving, Leadership, Adaptability, Multitasking, and Attention to Detail.