**Oluwole Koku (613)-875-0477**

56 Annie Craig Drive, Etobicoke, M8V 0C8 [wolekoku@gmail.com](mailto:wolekoku@gmail.com)

**OBJECTIVE**

I am a recent graduate with a Bachelor’s degree in Electrical Engineering from the University Of Ottawa. I have a strong willingness to learn and a passion for problem-solving as well as collaborative skills. I also possess hands-on experience in software and hardware operations and I am a fast learner. I am willing to work for and help further a well-established company with my technical skills and knowledge.

**SUMMARY OF QUALIFICATIONS AND TECHNICAL SKILLS**

• Excellent decision-making, interpersonal and teamwork skills.

• Excellent written and verbal communication skills in English.

• Excellent technical writing, presentation and documentation skills.

• Organized, hardworking, innovative, and able to work with deadlines.

• Quick Learner, persistent, very punctual, and obedient.

• Ability to lead and motivate a team

• Proficient with MS Word, MS Excel, MS Project, MS Share Point, Windows, and MacOS.

• Excellent ability to compute calculations, draw up designs schematics and electrical circuit diagrams.

• Experienced in using circuit simulation tools such as Multism to verify and analyze circuit designs.

• Excellent knowledge of various programming languages such as MATLAB and python.

• basic knowledge of various programming languages such as C and Java.

• Proficient with CAD software such as Power World, Visio, AutoCAD, & SolidWorks.

• Hands on experience on working with basic Synchronous, DC and Induction motors

• Experienced programming 8 bit and 16 bit micro-controllers such as Arduino and Microchip PIC16F917.

• Excellent ability to understand technical and operational issues and provide accurate troubleshooting.

• Proficient with equipment such as oscilloscopes, function generators, multi-meters and K-ECS.

• Knowledge of control systems and I/O development for electronic control.

**EDUCATION**

**Bachelor of Applied Science, Electrical Engineering**  2012-2017

University of Ottawa, ON

• Specialized in Power and Sustainable Energy

**Relevant courses:**

• Electric Power Transmission, Distribution and Utilization of power.

• Digital Systems

• Circuit Theory

• Computer Architecture

• Electronics

• Signals and System Analysis

• Data Communications and Networking

• Wireless Communication

• Integrated Control System

**COMPLETED PROJECTS**

**HANDS-FREE CONTROLLED ROBOTIC ARM**

• A 6-Axis IMU sensor (MPU 6050) was used in order to control the robotic arm using inverse kinematics.

• Temperature and pressure sensors will be implemented to the robotic arm to give a sense of feel like a real functioning arm.

• Tested and Sensors programmed to achieve the desired movements.

**DISTANCE SENSOR**

• Implementation of Ultrasonic sensors to measure distance with the use of high frequency pulse waves.

• Implementation of LCD screens to display results/distance.

• Implementation of LED Lights to display output.

• Used in smart cars to avoid obstacles and accidents.

**THREE INVERTER OPTIONS FOR SOLAR PANEL SYSTEMS**

• Micro Inverters, String Inverters & Power Optimizers

• MPPT (Maximum Power Point Tracking).

• Effect On Increasing Efficiency.

**WORK EXPERIENCE**

**SOFTWARE OPERATOR & RF (Radio Frequency) TESTER**

**Sbe Canada Ltd** 2017

* Identifying faults in a cell phone.
* Making calls with a R&S CMW390 test equipment to test proper functionality of the receiving and transmitting units of cell phones.
* Upgrading software (android/IOS) to the latest approved version of smartphone.
* Ensuring full functionality of the smartphone before submitting it to the next step of the process

**ELECTRICAL ENGINEERING TUTOR**

**University of Ottawa, Ottawa ON** 2016

* Provided one on one as well as group training in Electronics, which improved my ability impact knowledge to individuals.
* Developed my communication and leadership skill from impacting knowledge to various students.

2016

**RESEARCH ASSISTANT**

**University of Ottawa, Ottawa ON**

• Assisted research professor on craft making 2016

• provided research support and feedback 2016

**VOLUNTEER WORK**

• RBC Royal Bank Bluesfest Ottawa. Grand VIP Club 2016

• University of Ottawa Intramural soccer league 2014-2017

• Terry Fox Marathon of Hope, Mississauga 2012