TEMIRLAN YERGAZY

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SUMMARY OF QUALIFICATIONS

- Hands-on experience designing, analyzing, and troubleshooting electronic and electrical circuits and systems with the help of CAD software like Proteus circuit design and PCB
- Basic understanding of DSP, digital and analog circuits with the help of MATLAB software
- Practical experience working with Industrial Instrumentation, Industrial Robotics programming, and Automation Control Systems such as: working with P&ID Diagrams, Programming Allen Bradley PLCs and HMIs, and integrating Variable Frequency/Speed Drives with the Motor Controls as well as various sensors like: Pressure, Flow, and Temperature sensors
- Practiced strong project management and teamwork skills by scheduling weekly meetings and discussions about the Final Project and keeping track of all the required documentation related to the project.
- Proficient in debugging and troubleshooting software with 3+ years of experience using Python with some knowledge of C programming language

EDUCATION

Electronics Engineering Technology - Advanced Diploma   Sep 2021 – April 2024
Durham College, Oshawa, ON

- Studied Electricity, Electronic Circuits, Microcontrollers, Embedded Systems, Digital signals and processing, Robotics Programming, and CAD for Electronics: AutoCAD, Proteus circuit design, MATLAB

Final Capstone project   Sep 2023 – April 2024
Durham College, Oshawa

- Implemented a Web Server using Raspberry Pi 4 computer with Python and Flask web framework on the Backend. Worked with I2C communication for ADC module integration, while demonstrating proficiency in software design for temperature sensor integration. Designed a power circuit to power the rover
- Designed a Web Application to receive live video from the Rover's camera and added a virtual control for the motors on the Frontend using JavaScript, HTML and CSS stack

Computer Science for Web - Certification   Sep 2023 – May 2024

- Completed an online web development certification provided by HarvardX
- Studied HTML, CSS, Python and JavaScript programming languages to develop dynamic Web Applications and API
- Acquired skills like problem solving and debugging code while working on the problem sets

RELATED EXPERIENCE

General Maintenance Assistant (Field Placement)   Feb – April 2024
General Motors, Oshawa

- Completed 80 hours of field placement acquiring industry knowledge and engineering standards such as: Industrial automation, Robotics programming and troubleshooting by observing the General Maintenance Technicians team while being on-site withing the safe area
- Developed a SharePoint website for maintenance personnel to access information, instructions and policies and procedures in one location
- Practiced organizational skills while collecting safety documents and digitizing them in a relevant order

Back-end Web Developer (Intern)   May – Sep 2023
NGS (Academic Institution), Kazakhstan

- Developed automated test scripts using Python programming language to validate the functionality and performance of the code
- Collaborated closely with the development team to conduct code reviews and identify potential issues while using source controls systems like Git
- Practiced problem solving, time management and organizational skills

Volunteer in Durham College Engineering Society   Oct 2023 – April 2024
- Connected with Durham College Engineering students and met biweekly throughout the semester
- Initiated project showcase where students presented their fully assembled and final technical projects