SABEEH TAHIR
AUTOMATION SOFTWARE ENGINEER

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Skills

PROGRAMMING
C++
HTML
C#
Object Oriented
Python
Ladder Logic
SCADA
React
HTML
CSS

SOFTWARES
Windows
MacOS
Adobe Creative Suite
Microsoft Office
Solidworks
AutoCAD
QuickBooks
Visual Studio Code

HARDWARE
Arduino
PLC
Cloud Computing

WORKPLACE
Time Management
Communication
Decisive Decision Making
Leadership Qualities
Teamwork

Education

McMaster University — Sept. 2019 to Current
Bachelors of Technology Automation Software Engineering 2024

North Park Secondary School — Sept. 2015 to June 2019

Employment

Growing Global Immigration — 1280 Finch Ave W · Sept. 2023 to Current
IT Associate
- Software Development: Helped develop company website by modernizing it, animating it and creating a backend that could support daily blog uploads. Also implemented an ai chatbot that was able to ask multiple questions and come to a conclusion for what kind of program they're eligible for and using that data to simplify consultants jobs by half the time.
- End User Support: Provide technical support to employees and clients by troubleshooting and resolving hardware, software, and network issues
- Digital Footprint Enhancement: Assist in developing and implementing strategies to improve the company's digital presence and user experience (such as their website)
- Data Management: Support the management and organization of company data, ensuring its accuracy and security
- Technology Upgrades: Collaborate with the IT team to research, evaluate, and recommend new technologies or software solutions that can streamline processes and improve efficiency within the company
- IT Asset Management: Assist in maintaining an inventory of IT assets, including hardware, software licenses, and peripherals
- Stay Up-to-Date: Keep abreast of the latest technological advancements and industry trends. Share relevant knowledge and insights with the team to promote continuous improvement.

Vector Marketing — July 2019 to Aug. 2019
Marketing Representative
- Worked for Marketing Company to advertise different products
- Developed creative presentation styles and advertising posters
- Used PowerPoint, Illustrator & Photoshop

Sherwood Copy & Print — July 2018 to Aug. 2018
Graphics Designer
- Developed creative design including print materials, brochures, banners, business cards and signs
- Developed, implemented, and managed marketing and designed sales and promotional items.
- Used Illustrator & Photoshop to create images and layouts for over 50 projects.

iTech Solutions — Oct. 2016 to Nov. 2016
Technician
- Conducted tests of components and systems to evaluate performance and identify concerns.
- Assist in developing specialized fixtures, test equipment and procedures for failure analysis.
- Executed diagnostics, troubleshooting and evaluations on phones, laptops, etc.
- Customer Service

Projects

Remote Control Car — Jan. 2018 to June 2018
- Built a Remote Controlled Car from scratch using an Arduino, bluetooth, gyroscope and C++ programming language
- Built the hardware on a breadboard and installed the breadboard in a 3D printed car model
- The trunk would lead to the whole inside of the car to be hollow and that is where the breadboard would fit alongside its wiring

Different Control Systems using PLC Ladder Logic — Sept. 2019 to Apr. 2022
- Many different algorithms that allowed for different scenarios to occur based off different live inputs
- Lots of IoT (Internet of Things) using online inputs from websites such as Ubidots
- Created a Garage Door Opener with the use of Ladder Logic and Ubidots inputs and real sensors that provide data to an online cloud service

Parking Tracking Website using Google API's — Dec. 2020
- Website that lets you know what parking spots are available and how to get to it
- Reserve parking spots as well

Library Management System — Sept. 2020 to Current
- Library System that is for librarians and customers alike
- Find books, reserve them, return them, see upcoming events, etc
- Made on C++ with Object Oriented Programming
- Creating a website for user friendly UI

Activities

Tech Enthusiast
- Love to keep up with latest technological advancements
- Learning how to build my own projects and do some advanced projects at a smaller home scale
- Purchasing and experimenting with my own projects and technologies I find interesting and something I can tinker with

Volunteering

International Languages · Teaching Assistant — Sept. 2015 to June 2019
Morning Star Middle School
- Developed team communications and group projects for students.
- Performed various administrative functions, including filing paperwork, delivering mail, sorting mail, office, and bookkeeping.
- Devoted special emphasis to punctuality and worked to maintain outstanding attendance record, consistently arriving to work ready to start immediately.

New Years Clean Up · Religious Society Representative — Dec. 2016 to Jan. 2017
- Cleanup after New Years Day celebration

Event Setup · Religious Society Representative — Jan. 2014 to Sept. 2019
- Setup for any major event happening
- Setting up tables, rugs, decorations
- Getting food
- Organizing food and schedule