SABEEH TAHIR

7555 Lockington Cres | 647-713-1849 | sabeeh7555@icloud.com | linkedin.com/in/sabeehtahir | github.com/Zaybeeh | sabeehtahir.vercel.app

TECHNICAL SKILLS

Programming Languages | Java, C++, JavaScript, Python, HTML, CSS, SQL, PHP
Technologies | React, Tailwind CSS, AngularJS, Django, MongoDB, MySQL, Linux, NextJS, SwiftUI
Programms | AutoCAD, Solidworks, Microsoft Office Suite, Adobe Suite, SCADA
Developer Tools | Git, GitHub, Debugging
Hardware | PLC, Arduino, FPGA

EDUCATION

McMaster University - Bachelor of Technology   Sept. 2019 - Current
Automation Software Engineering

North Park Secondary School - High School   Sept. 2015 - June 2019
International Business and Technology

EXPERIENCE

Software Developer (Coop) | Growing Globe Immigration   *Sept. 2023 – Dec. 2023*

- Software Development: Helped develop company website using **ReactJS** by modernizing it, animating it and creating a backend that could support daily blog uploads. Implemented an AI chatbot that can ask multiple questions and determine eligibility for a program, simplifying consultants' jobs by half.
- Utilized **Git and GitHub** to upload the website to the primary domain of the company.
- End User Support: Provide technical support to employees and clients by troubleshooting and resolving hardware, software, and network issues.
- 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.

Marketing Representative | Vector Marketing   *July 2019 – Aug. 2019*

- Worked to promote various products through advertising campaigns.
- Developed creative presentation styles and advertising posters using various softwares such as **Adobe Illustrator & Photoshop**.
- Collaborated with different teams to develop and execute successful marketing campaigns, leveraging clear communication and teamwork to meet tight deadlines and exceed performance goals.

Graphics Designer (Coop) | Sherwood Copy & Print   *July 2018 – Aug. 2018*

- 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.

Technician | iTech Solutions   *Oct. 2016 – Dec. 2016*

- Performed comprehensive tests of components and systems to assess their performance and pinpoint potential issues.
- Assist in the development of specialized fixtures, test equipment, and procedures for failure analysis.
- Performed comprehensive diagnostics, troubleshooting, and evaluations on various electronic devices, including smartphones and laptops.

PROJECTS

Elevator | FPGA Programming   *Nov. 2024 – Dec. 2024*

- Designed and implemented a cabin control system that facilitates vertical movement through the utilization of a motor driven by push button inputs feeding into an **FPGA** using **Verilog** programming.
- The system employs Reed sensors to monitor the cabin's current state and transmits this data to the **FPGA**, which then displays the corresponding floor level on a seven-segment display.
- Used breadboard circuit using logic gates, motor chip, 7-segment display, motor, push buttons, etc. integrated into a FPGA using Verilog programming, enhancing my hardware and software implementation skills.

Portfolio Website | ReactJS   *Jan. 2024 – April 2024*

- Utilizing the skills acquired through my Coop, I have developed my own portfolio using the **ReactJS** framework.
- Utilized **GitHub and Git** for code uploading, followed by Vercel as a deployment service for executing my **ReactJS** code.
- In the process of developing a chatbot, I intend to create a conversational interface that can provide basic information about myself.

Remote Control Car | Arduino Programming   *Jan. 2018 – June 2018*

- Constructed a Remote Controlled Car from the ground up utilizing an **Arduino**, Bluetooth technology, a gyroscope, and the **C++ programming language**.
- Constructed the hardware on a breadboard and subsequently installed the breadboard within a 3D-printed automotive model using **CAD**.
- Used breadboard circuit using logic gates, motor chip, 7-segment display, motor, push buttons, etc. integrated into a FPGA using Verilog programming.

Different Control Systems | PLC Programming   *Sept. 2019 – April 2022*

- Developed a Garage Door Opener utilizing **PLC** programming and Ubidots input devices, along with actual sensors that transmit data to an online cloud service.
- Gained experience and knowledge with Cloud Computing and PLC Programming.

Parking Tracking Website | HTML and Google API's   *Dec. 2020*

- A website developed to facilitate the booking and reservation of parking spaces in advance, utilizing navigation systems to guide users to the designated location.
- Programmed was built primarily with **HTML and Google API's**.

Library Management System | C++ Object Oriented Programming   *Sept. 2020 - Sept 2021*

- A comprehensive library management system designed to facilitate seamless interactions between librarians and consumers; enabling users to search for books, reserve them, return them, and access information about upcoming events and library services.
- Programmed was developed primarily with **C++ Object Oriented Programming and HTML** to enhance object-oriented programming skills and create a clean user interface.