

Daniel Khan

Toronto, ON

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Education

Toronto Metropolitan University

B.Eng Computer Engineering

- Minor in Physics - Quantum Mechanics
- Entrance Scholarship valued at \$4000

Toronto, ON

2018 - 2023

Work Experience

Diversio Inc.

Product Engineering Intern

Toronto, ON

May 2022 - Present

- Embedded an **ETL pipeline** into the **Django** backend of the Diversio Insights product which automated the collection of data from several websites for processing, allowing data verification to be performed before it is pushed to production, in turn reducing manual processes by over 50%
- Primarily responsible for overseeing and **monitoring** the enhancement of the Diversio Insights platform by reviewing client and business feedback, **planning enhancements**, and ensuring features were updated accordingly, resulting in a higher turnover rate

Loblaw Companies Limited

Automation Developer Intern

Brampton, ON

May 2021 - Dec 2021

- Attended and provided updates in **daily scrum meetings**, specifically on a **Power Automate flow** which created and logged COVID-19 store operating hours for 1300+ Loblaw and Shoppers Drug Mart pharmacy locations, decreasing manual processes and increasing efficiency by 98%
- Wrote a **Python script** that performed hourly checks on file system's (**AIX**) storage limits and reported results back to the system administrator via email to ensure the system did not exceed the server threshold

Ryerson Rams Robotics

Software Controls Member

Toronto, ON

Oct 2020 - Sept 2022

- Designed and programmed a hockey goalkeeping robot for TSN which can be used wirelessly (through wifi connection) to accurately and easily control the arms of a goalkeeper
- Responsible for programming a microcontroller (ESP8266) along with a series of motors and actuators to wirelessly control a robot over a Socket Server with **TCP and HTTP** communication

GAOTek Inc.

Software Developer Intern

Pickering, ON

Dec 2020 - Feb 2021

- Created Python Scripts using **social media API's** in order to handle social media account activity such as posting to pages and viewing analytics
- Automated social media posting, decreasing overall manual time spent by 90% (from 1 hour to 5 minutes) and successfully gaining **100k interactions per month**

Projects

Amazon Price Tracker

Python, Selenium, Git

- Developed a program that allows users to track the price of a specific product on Amazon.ca and sends an SMS alert if the price falls below a desired point
- Created a **Python script** that uses the **HTTP library**, "**Requests**", to scrape an Amazon webpage and used the **Selenium** framework to automate the implementation of the user agent string, allowing the script to send HTTP requests

DermaCare

Python, Flask, Google Cloud, HTML, CSS, JavaScript, Git

- Developed and deployed a web application in an **agile** environment, constructed purely through **Python, HTML, CSS**, and **JavaScript**, that utilizes **machine learning** to analyze human skin and detect any skin conditions that may be present
- Used Google's Vision **AutoML API** and the **Google Cloud** platform to train a machine learning model that sends and retrieves data from the user through the **Flask** web framework

Book Store App

Java, JavaFX, Git

- Developed an interactive **desktop application** in **Java** to track borrowed books for users and keep inventory for managers by implementing the **state design pattern**
- Utilized the **waterfall method** and version tracking through **Git Source Control** to keep code clean, concise, and error free

Skills

Languages & Frameworks

C, Java, Python, PHP, HTML, CSS, SQL, JavaScript, VHDL, MATLAB, Spring, Numpy, Pandas, Bash, Selenium, Flask, Django, Go

Technologies

Git Version Control, MySQL, JUnit Testing, Quartus II, Microsoft Power Platform, Linux, XML, Sentry, Prometheus

Concepts

Algorithms, Data Structures, Object Oriented Programming, Agile Methods, Software Development Life Cycle (SDLC), User Acceptance Testing (UAT)