Daniel Mohazab

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Skills

- Programming Languages: Python, C++, C, HTML/CSS, Java, and JavaScript
- Tools/Frameworks: Tensorflow, Keras, Flask, Git, jQuery, Android Studio, and Selenium

Work Experience

Home Trust   Toronto, Ontario
Software Development and QA Intern   Apr. 2018 - Aug. 2018

- Developed a machine learning model using Tensorflow and Keras in Python that predicts mortgage application funding likelihood at 97% accuracy to streamline loan filtering
- Constructed the front-end and server-side framework of an internal attendance tracking web app using Python, Flask, and HTML/CSS that replaced the old paper based company model
- Created automation scripts using Python and Selenium for an agile website redesign project, reducing production launch time by 30%
- Played an integral role in sprint meetings during Home Trust's first large-scale agile project

Scotiabank   Waterloo, Ontario
Customer Service Representative   Oct. 2016 - Oct. 2017

- Fulfilled customer needs by completing wire transfers, business transactions, and financial inquiries

Projects

RobotC-Major
C++

- Designed and built a guitar playing robot using the Lego EV3, NXT, and Tetrix Prime systems
- Implemented parallel arrays to control motor I/O and automate strumming/chording mechanisms
- Multithreaded motor encoder methods to calibrate mechanical mechanisms after song termination
- Used polling to allow users to select multiple song and tempo options with a custom UI

SiteSpider
Python - Selenium

- Developed a script that crawls and screens webpages to both document and test functionality
- Implemented a queue data structure using sets to eliminate repetitive screening of common links
- Used multithreading to concurrently run instances, optimizing execution efficiency of scripts

AutoBalance
Java - Android SDK

- Designed an application that organizes branch closing procedure for the closing teller at Scotiabank
- Consolidates user inputted treasury data using currency classes to accelerate cash count verification

Github.io - Personal Portfolio
HTML - CSS - jQuery

- Created a responsive personal website using Bootstrap, jQuery, and a self-established grid system

Education

Candidate for B. ASc. in Mechatronics Engineering   University of Waterloo 2017 - 2022