

JOSHUA D'SOUZA

Management Engineering

(647) 741-5674 • j25dsouz@edu.uwaterloo.ca • reinspire.ca • github.com/joshuadsouza

SKILLS

Software

Java
JavaScript
Python
SQL
HTML/CSS
Bootstrap
jQuery
Node Js
Express Js
EJS
Selenium
AWS

Tools

Google Analytics & AdWords
Adobe XD
Mailchimp
Facebook Ads

EDUCATION

University of Waterloo

BASc. in Management
Engineering

RELEVANT COURSES

Algorithms and Data
Structures
Database and Software Design
Probability and Statistics
Introduction to Optimization

ADDITIONAL

EngSoc Class Representative
Top 10 DECA Provincials
Lean Hybrid Muscle
Competition Winner

EXPERIENCE

Software Developer / QA Automation | FastApps

Toronto | Sept 2018 – Dec 2018

Developed a prototype classification model to predict startup success using the XGBoost machine learning model. Built the web-application for the classification prototype using Apache, Node, Express, EJS, jQuery, and Bootstrap to capture company information in a MySQL database, and serve a prediction based on the ML model. Successfully deployed the classification prototype using AWS MySQL RDS, Ec2 Instances, and EFS. Created automated tests for the complete end-to-end product using Pytest and Selenium.

Demand Generation Specialist | Loblaw Digital

Toronto | Jan 2018 – April 2018

Implemented the XGBoost machine learning model using Python to predict sales in a time series approach to enhance quarterly forecasts. Built a GUI using JAVA Swing to check for duplicate keywords in paid search accounts via Google AdWords API to prevent internal bidding. Analyzed customer profiles to develop marketing strategies that adhered to a testing framework.

ACTIVITIES

President | Tanzanite Toronto

Toronto | October 2018 – Current | tanzanite2019.com

President of Tanzanite Toronto, a non-profit organization founded in 1983 that promotes Tanzanian culture across the GTA. Currently leading a team of 12 individuals to plan and execute several events throughout the year. Designed the website with Adobe XD and built it with HTML and Bootstrap. Adhere to a data-driven decision-making environment.

Industry 4.0 Full Stack Developer | University of Waterloo

Waterloo | May 2018 – Present | i4competition.ca

Full-stack developer for the Industry 4.0 team in pursuit of promoting Management Engineering across Canadian high-schools. Constructed a reusable wireframe and visual design for the website with Adobe XD. Built version one with Javascript and Bootstrap.

Velocity Pitch Competition | University of Waterloo

Waterloo | January 2018 – February 2018

Developed and presented the business strategy for a Real-Estate Blockchain Decentralized Application. Began development for prototype using solidity and a private Ethereum network.