FIRST LAST

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EDUCATION

University of Unknown Province   September 2013 - Present
B.ASc in Mechanical Engineering   *City One, UP*

WORK EXPERIENCE

Manufactoring Company   August 2016 - December 2016
Engineering Co-op Student   *City Three, UP*

· Created Excel utilities with VBA that massively stream-lined SAP processes, saving Project Managers 10 hours every week. These include:
-Creating a GUI for quickly retrieving any information about SAP materials in Excel all at once
-Writing a script to pull 100s of drawings during the year end inventory rush
· Developed Python GUI database app with SQLite to reduce time searching for SAP materials by 50%

Logistics Company   December 2015 - May 2016
Data Analyst Intern   *City One, UP*

· Revolutionized the position by using Python & regular expressions to consolidate all data in one place
· Created several Python scripts and VBA macros to automate tasks saving at-least 15 minutes each day.
· Improved hiring practices by analyzing compiled data to demonstrate the low retention rates associated with hiring through labour agencies
· Utilized Excel pivot tables to summarize, categorize, and present data allowing the owner to make informed decisions about company operations

PROJECTS

Strength Journal Mobile App   June 2017

· Published Android app that allows users to log workout stats with minimal hassle
· Applied test-driven development when implementing features to ensure quality of product

School Newspaper Website   May 2017
Contributer

· Constructed unit tests for REST API that increased coverage by 5%
· Implemented REST API endpoints for the User model

C++ Blob Combat Simulation   May 2017

· Developed a simulation where "blobs" evolve to fight using genetic algorithms like proportional and tournament selection
· Applied linear algebra concepts to efficiently implement a Neural Network and collision detection
· Built the simulation independent of real elapsed time enabling "fast forward" feature to significantly reduce training time

Design Project - Water Jet Propelled Vehicle   April 2015 - May 2015

· Developed MATLAB time marching simulation which optimized water to air ratio and predicted the vehicle speed to within 12%
· Programmed Arduino micro-controller to control steering and valve servos using RF transmitter/receiver