Inyoung (Kevin) Chung

Problem Solver, Leader, and an avid learner of all things

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Skills

Software:

Languages: Python, C/C++, MATLAB, Java, SQL, HTML/CSS, PowerShell
Frameworks & Libraries: Robot, Selenium, Jekyll, NLTK, Matplotlib, pandas, scikit-learn
Tools: Agile, Bitbucket, Git, JIRA, Jupyter Notebook, Linux/Unix systems, Microsoft Office, VS Code

Hardware:

Tools: Digital Multi-meter, Oscilloscope,
Software: Altium, PSpice
Technologies: Raspberry Pi, Zigbee, Arduino, Serial Interfaces (RS232, SPI, I2C), WIFI, Z-Wave Applications, Wireless MCU (ERF32), WSTK, ISA, ARM cortex 32 bit microcontrollers

Experience

DEVOPS ENGINEER at Geotab Inc.
Mississauga, ON ▪ September 2020 – Present

EMBEDDED APPLICATIONS TESTER at MMB Networks Inc.
Toronto, ON ▪ September 2019 – August 2020

- Implemented automated functional test cases for IoT devices using Linux and robot framework
- Performed hardware and firmware tests on IoT devices according to the Zigbee network protocol
- Developed test scripts in Bash and Python using git to manage workflow for automated firmware testing
- Programmed web application automated testing in a production setting using robot framework
- Created a CLI to interface with a smart energy meter using Python

TEST ENGINEER at Celestica Inc.
Mississauga, ON ▪ May 2017 – August 2018

- Designed and managed a method to automate lab instruments specifically the Multi-meter to record values for a manual test on units using Microsoft Excel (VBA) and JavaScript.
- Assisted in the design and development of an autonomous test stand for temperature sensors
- Developed an autonomous status tracker to measure efficiency of certain temperature chambers and a continuous improvement tracker for employees using Google App Scripts.

QUALITY ASSURANCE ANALYST at PointClickCare
Mississauga, ON ▪ May - August 2016

- Tested and debugged functionalities using automation tools and SQL

Projects

BRAKING BAD

- Created a two-way braking system to reduce traffic congestion and mitigate rear-end collisions.
- Led the team to 3rd place in the Department of Electrical and Computer Engineering Expo.

MAZE ROBOT

- Created a robot that was able to maneuver through any given maze.

Education

BACHELOR OF ENGINEERING, ELECTRICAL (CO-OP)
McMaster University, Hamilton, ON ▪ 2014-2019

Interests

- Embedded Software, Back End Software, Machine Learning, Electrical Engineering
- Avid producer/song-writer/multi-instrumentalist