

# VASUDEV MEHRA

## SUMMARY

Electrical Engineer with an options in Management Sciences with Distinction seeking a challenging career with an established organisation that provides an opportunity to capitalise on my technical skills and abilities.

## CONTACT

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in mehravasudev

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## EDUCATION

University of Waterloo · Sept. 2020 to Current  
Masters Business, Entrepreneurship and Technology (MBET) - Part-Time

University of Waterloo · Sept. 2014 to Apr. 2019  
BASc Honours Electrical Engineering (Co-op) Management Sciences Option(with Distinction)

Relevant Courses: Analog Circuits, Control Systems, Analog & Digital Communications, Photonics Communications and Systems, Embedded Microprocessors Systems, Electromagnetic Field and Waves, Power Systems and Components, Electrical Distribution Systems, Power System Analysis, Operations and Markets, Probability and Statistics, Optimisation, Decision Making Under Uncertainty, Introduction to Macroeconomics, Financial Economics for Engineers

## SKILLS

**TOOLS:** ARM Cortex, FPGA Design (Altera), Microsoft Service Center, Jira, Putty, Active Directory, CommVault, SSH, Charles Proxy, TestRail, Modbus, BeagleBone Black  
**PROGRAMMING:** C, C++, Python, Matlab, HTML

**LAB EQUIPMENT:** Oscilloscope, Multimeters, Signal/Function Generators, Spectrum Analyzer, HMI

## PROJECTS

iDispose - 4th year Capstone Project  
Implemented sensors like weight, visual to identify different types of waste.  
Incorporated machine learning to train our model.

AM/FM Replication  
Replicated Amplitude Modulation and Frequency Modulation radio receivers. Implemented modulation and demodulation for double-sideband and narrow band and wide band carriers. Also, implemented analog to digital conversion of signals.

Traffic Light Controller  
Implemented a traffic light controller using peripherals connected to the microprocessor by setting up and using Input/Output ports and used interrupts and polling to trigger interrupt service routine

## CERTIFICATIONS

Udemy · Agile Project Management  
May 2020  
Learned about the key and most important concepts and tools of Agile Project Management.  
Credentials URL: [ude.my/UC-6a0fdf4b-7f62-436c-9ff3-400838db887a](https://udemy.my/UC-6a0fdf4b-7f62-436c-9ff3-400838db887a)

Udemy · Python Scripting for Software Testers  
Apr. 2020  
Credentials URL: [http://udemy.my/UC-556cfd13-a35c-4a85-800d-a93f106cc6ca](https://udemy.my/UC-556cfd13-a35c-4a85-800d-a93f106cc6ca)

Maple Leaf Foods · Lean Six Sigma - White Belt  
Mar. 2016

University of Waterloo ·  
Workplace Hazardous Materials Information System (WHIMS)  
Sept. 2014

## EMPLOYMENT

Welbilt Inc.  
Mississauga  
Software Test Engineer · Dec. 2019 to Apr. 2020

- Developed 30 days data logging feature for existing hardware in python.
- Worked on BeagleBone Black (Linux development platform) to reverse engineer and resolve existing bugs to perform automated tests.
- Understood and learned new hardware and tested multiple SIBs for different products.
- Updated test plans, created test cases, and test scenarios for assigned functional areas. Executed test cases and logged and regressed bugs.
- Created functional requirements specification documents and test plans.

Independent Electricity System Operator (IESO)  
Mississauga  
Systems Administrator (Co-op) · Jan. 2018 to Apr. 2018

- Managed Production and Non-Production (Windows and Linux) servers, upgraded hardware and tested various servers.
- Created a script to extract the list of production and non-production servers from the satellite servers.
- Installed security patches and software upgrade for production servers as well as project management, and technical documentation.
- Trained a new employee to better understand the tasks, responsibilities and the dynamics of the team.

Symbility Intersect  
Toronto  
QA Analyst (Co-op) · May 2017 to Aug. 2017

- Handled multiple client releases through biweekly sprints using the Agile development process.
- Created and ran complex test suites to thoroughly test upcoming Android and iOS applications using Test Lodge.
- Solely responsible for one of the major clients for QA.
- Ran various testing like functional, exploratory, cross-platform, sanity, regression and parity testing.

Asigra Inc.  
Toronto  
QA Analyst (Co-op) · Aug. 2016 to Dec. 2016

- Test plans and cases for functional, integration system, and performance testing.
- Tested the compatibility of third-party applications with Asigra's software.
- Used Bugzilla and Jira for the repository, reporting and tracking bugs, and providing updates on resolved bugs.

Maple Leaf Foods  
Mississauga  
Technical Projects Specialist IS- Support (Co-op) · Jan. 2016 to Apr. 2016

- Created SharePoint team sites.
- Built weekly and monthly compliance reports.
- Used Microsoft Service Centre (SCOM and SCSM) to analyze and resolve some of the IS issues.

CSA Group  
Toronto  
IT Analyst (Co-op) · Jan. 2015 to Apr. 2015

- Configured and deployed new infrastructure (computers, printers, VoIP phones, software)
- Played a key role in the deployment of O365 and Firefox across the enterprise.
- Provided 1st level desktop, network, and Wi-Fi support to end-users.