

Kelvin Teoh

Mechanical Engineer (EIT)

PROFESSIONAL EXPERIENCE

Business Manager

[Great Canadian Oil Change](#)

Concord, ON. Apr 2020 – Now

- Prepared business for compliance with Ontario Employment Standards Act, Occupational Health and Safety Act which involved legal documents for employee recall and PP plans
- Service technician performing maintenance jobs such as fluid exchanges, fuel system cleaning, filter and bulb replacements

Systems Integration

[Mechatronics Capstone & Laveer Engineering](#)

Hamilton, ON. Sep 2019 – Mar 2020

- Designed system to utilize 25W PoE+ for reduced external cabling and adequate power distribution to the internal components with 1080p video feed
- Custom designed PCBs for adapters and LEDs for a compact build
- Created python program to operate Arduinos over TCP, which handled power and signal to motors asynchronously
- Developed operational program to allow users to manually control camera features and motors, or to toggle into automatic tracking
- Incorporated convolution seals and slip rings with bearings to improve water resistance and longevity of rotating components

Mechanical Engineering Intern

[Honda of Canada Manufacturing](#)

Alliston, ON. May 2018 – Aug 2019

- Developed mechanical and pneumatic equipment with CATIA, which involved design, coordinating with suppliers, fabricators, and testing to meet project requirements and deadlines
- Piloted inspection of structural steel to identify maintenance, upgrade requirements, timelines and methodology to complete plantwide audits
- Performed feasibility study for manufacturing of new model, outlining requirements from process, equipment, and logistics ranging from multimillion-dollar projects to zero cost initiatives
- Led operations for running test lots during regular production hours which involved coordinating departments to ensure proper installation, quality control, and equipment operations
- Identified processes which could be consolidated into existing jobs which removed 1 manpower requirement without increased costs
- Implemented multi-dept reporting solution to retrieve information and process data, saving 600 hours per year

ABOUT

Engineering graduate with experience in business and system integration looking to pursue mechanical design. Quick learner with a passion for automation and user-friendly devices.

CONTACT

(905) 928-4716

kelvin.ts.teoh@gmail.com

linkedin.com/in/teoh

www.kelvinteh.com

SOFTWARE SKILLS

Design

Catia, Autodesk Inventor, Solidworks, AutoCAD

Electrical

Autodesk Eagle, KiCAD

Simulation

SolidWorks, Fluent Ansys, Simulink

Programming

Python, JavaScript, C++

EDUCATION

Bachelor of Mechanical Engineering & Mgmt
[McMaster University](#)

Graduated 2020

– McMaster Solar Car
Fluid Dynamics Manager