

EWING HO

Electrical and Computer E.I.T.

(647) 887-1689 | ewingho93@gmail.com | <http://ewingho.me> | <https://www.linkedin.com/in/ewing-ho/>

Highlights of Qualifications

- Possessing 3 years experience in 3D modeling and drafting software using Fusion 360 and model rigging in Maya
 - 2 years of Logo and Design with attention to Vector design in Illustrator and other Vector based softwares
 - Programming of numerical computing environment for simulations of mathematical models in Matlab
 - Trained in application of embedded systems development in C++, C, C# and Assembly Language
 - Skilled in photography-based development in photo correction and photo effect composition in Photoshop
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Education

University of Ontario Institute of Technology (UOIT)

Bachelors of Engineering (Honors) – Electrical Engineer

Key Courses

- Discrete-Time Signal Processing: Analyzed Digital Signals and application of algorithms to process the signals
 - Advanced Control Systems: Control system design and procedures. PID controllers and PLC programming
 - Wireless Communications Systems: Design of microwave frequency wireless communication PCBs
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Hard Skills

Adobe: Illustrator, Premiere, Lightroom, Photoshop

Autodesk: Fusion 360, Inventor, Autocad, Maya, Arnold

Languages: Matlab, SIMATIC, C++, C, C#, CSS, Java, JSNode, SQL, MySQL

Work Experience

Graphical Designer and 3D Modeling and Animation - Freelance Work

July 2018-Present

- Designed Logo for clients using Illustrator through iterative requirements review with customer
- Created vector based portraits in Illustrator using minimal colour tones to create a cel shaded look
- Developed 3D models and animation for Truck & trailer using Maya; rendered in Arnold to finalize animation
- Produced an animation with Adobe Premiere with final cuts and video FX

Project Coordinator - Win-Haul Container Inc.

May 2018 – Present

- Launched management solution to track high volume flow of parts inventory for Standby Generator Units
- Generated parametric drawings to represent standby generator units for documentation purposes
- Created Computer-Aided-Designs (CAD) models from parametric design in Fusion 360 and Autodesk Inventor
- Authored a detailed parts user manual for high-voltage standby generators using generated 3D models
- Designed and integrated test systems to guarantee quality assurance on parts within high voltage generators

Project Manager - Win-Haul Container Inc.*May 2017 – August 2017*

- Developed core GPS server database to track timestamps, positions and fuel level of AC generators using SQL
- Automated transmission of server input to optimize system limiting data usage over UMTS/CDMA networks
- Designed and implemented a discrete system to remotely start diesel engine of 3-phase generator using UMTS/CDMA Networks
- Developed GPS tracking system user interface for portable 460V 3-phase AC generators in compliance with the user requirements
- Oversaw the hardware design for a GPS tracking system for portable 360V 3-phase AC generators
- Improved a process to gather user requirements to enhance the usability of existing system interface

Technician - Leader Refrigeration Services*May 2015 – August 2015*

- Repaired high voltage electrical and mechanical failures and formulated an effective solution with manufacturers for the replacement of broken container parts
- Implemented control system firmware testing techniques to ensure compliance within safety standards
- Incorporated multiple checkpoints for various components of the control system to satisfy upgrade needs
- Coordinated refrigeration unit inspection processes with clients to ensure compliance of functional requirements
- Developed weekly plans to establish schedules between clients and their allocated technician
- Managed a team of technicians to properly coordinate and execute daily tasks in accordance with the client