

# Ewing Ho

## Electrical Engineer in Training



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### Highlights of Qualification

- Possessing 3 years experience in 3D modeling and drafting software in Fusion 360 and 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



### WORK EXPERIENCE

#### Graphical Designer and 3D Modeling and Animation - Freelance Work

- 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 to construct and rig models
- Finalized animation using Adobe Premiere, adding video FX to ensure quality is adequate for exhibition

#### Project Coordinator - Win-Haul Container Inc.

- 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) 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.

- Developed core GPS server database to track time, positions and fuel level of AC generators using SQL
- Automated transmission of server input to optimize system data usage over UMTS/CDMA networks
- Designed and implemented a discrete system to remotely start diesel engine of 3-phase generator and track global position using UMTS/CDMA Networks
- Developed GPS tracking system user interface for portable 460V 3-phase AC generators in compliance with the user requirements



### Education

University of Ontario Institute of Technology (UOIT)

- Bachelor of Engineering (Honours) – Electrical Engineer

Key Courses:

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



### 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