13315 Meadowland Cr.

Windsor, ON N8N4N3

[mikethamm44@gmail.](mailto:thamm@uwindsor.ca)com

226-757-3560

**Michael U. Thamm**

**https://michaelthamm.me**

**Profile of Skills \_\_\_\_**

• **CAD Software:** - ANSYS [Adv], AutoCAD [Adv], Fusion360 [Beg]

• **PLC Programming Languages:** Siemens [Adv], Rockwell [Int]

• **Programming Languages:** Python [Adv], JavaScript [Int], MATLAB [Int]

• **Mobile Elevated Work Platforms (MEWP) -** Certified 2020

• **FARO Laser Systems -** BuildIT Metrology 2020

**Education \_\_\_\_**

**Ma.Sc. - Electrical & Computer Engineering, CHARGE Labs** 2019 - Present

*University of Windsor, Windsor, ON*

**Ba.Sc. - Electrical & Computer Engineering** 2015 - 2019

**~ Honours Electrical Engineering Co-op**

*University of Windsor, Windsor, ON*

**Career Related Experience \_\_\_\_**

**Propulsion Team Lead** Oct 2017 - Present

*SpaceX - The Hyperloop Pod Competition*

* 1 of 21 finalists for SpaceX, California competition
* Met Elon Musk with classified access to rocket booster assembly HQ
* Design, optimize, and build linear induction motor with 3 years of Python programming

**Controls Specialist** Jan 2018 - Present

*Brave Control Solutions., Windsor, ON*

* Successfully closed multiple automated solutions with a team of project engineers
  + Value Provider Award 2020 for most innovative solution by ABB, Automation
  + ABB Robot & PLC programming, including JavaScript application

**Controls Design** May - Aug 2017

*Valiant Machine & Tool Inc., Windsor, ON*

* + Supported senior engineers in turnkey weld cell projects
  + As measured by [Y]
  + Aided in the electrical design and PLC programming of weld cells

**Electrical Assembly** June - Sept 2016

*EnerQuest., Harrow, ON*

* + Assembled high voltage E-Houses for high power transportation
  + Met deadlines on multi-month projects
  + Extensive use of powered tools while following electrical/mechanical drawings

**References Available Upon Request**

**Boom lift license**

**ABB robot programming**

**Modular construction**

**Laser measurements 0.1 thou tolerance**

**Website or portfolio**

**Thesis on Maglev**

**SpaceX classified access / Elon Musk**

**2 years python**

**-Genetic algorithm**

**-Matrix / Data algorithms**

**-Built my own computer**

**-3D printer**

**-capstone**

**Some of these should go on a cover letter**

**Accomplished [X] as measured by [Y], by doing [Z]**