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**More info at my website:** <https://michaelthamm.github.io/>

**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 \_\_\_\_**

**Controls Specialist** Jan 2018 - Present

*Brave Control Solutions., Windsor, ON*

* + Value Provider Award 2020 for most innovative solution by ABB, Automation
  + ABB Robot & PLC programming, including JavaScript application
  + Commissioned projects across Mexico, USA, Canada

**Propulsion Team Lead (University of Windsor Team)**  Oct 2017 - Present

*SpaceX - The Hyperloop Pod Competition*

* Met Elon Musk and held weekly design reviews with SpaceX engineers
* Design, optimize, and build linear induction motor with 3 years of Python programming
* 1 of 21 finalists worldwide for SpaceX, California competition

**Controls Design - Coop, University of Windsor**  May - Aug 2017

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

* + Supported senior engineers in turnkey weld cell electrical design
  + Aided in the PLC programming of weld cells using Rockwell, RSLogix
  + Received training in electrical/programming industry standards for GM

**Electrical Assembly** June - Sept 2016

*EnerQuest., Harrow, ON*

* + Assembled high voltage E-Houses for high power transmission
  + Extensive use of powered tools while following electrical/mechanical drawings
  + Introduction to CNC and laser etching machine operation

**References Available Upon Request**