

Michael U. Thamm

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

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

- ABB Robot & PLC programming, including JavaScript application
- Contributions to IIOT, weld cell, press, conveyor, and networking systems
- Commissioned projects across Mexico, USA, Canada

Propulsion Team Lead (University of Windsor Team) Oct 2017 - Present
SpaceX - The Hyperloop Pod Competition, LA, California

- Met Elon Musk and held weekly design reviews with SpaceX engineers
- Design, optimize, and build linear induction motor with 3 years of Python programming
- Led a team of engineering students to 1 of 21 finalists worldwide

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 General Motors

Electrical Assembly June - Sept 2016
EnerQuest., Harrow, ON

- Assembled high voltage E-Houses for high power transmission (30 kV)
- Extensive use of powered tools while following electrical/mechanical drawings
- Introduction to CNC and laser etching machine operation

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

References Available Upon Request