

THOMAS EDWARD RADONIC

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ACHIEVEMENTS

- Scholarship – Aspiring Engineer, awarded by the Professional Engineers Ontario, 2019
- Scholarship – FIRST Robotics, 2018
- Scholarship – York University Entrance, 2018
- Ontario Scholar Award - Graduated with honours 2018
- Gold Medal in Mechanical CAD – Peel Skills Competition, 2018
- Design Captain of FRC Team 4946, 2016-2018

EDUCATION

- York University, Lassonde School of Engineering – Undergraduate Mechanical Engineering (current)
- Humberview Secondary School – Graduated Ontario Scholar, 2018

RELEVANT EXPERIENCE

Robotics

- Member of FRC team 4946, “The Alpha Dogs” (2014-2018)
- Design Captain of FRC team 4946 (2016-2018)

Robotic Team Success

- TOP 3% finish at the FIRST World Championships, Detroit USA, 2018
- District Ontario Championships, 2018
- 2nd Place – Durham College District Event, 2018
- Innovation Control System Award, York University
- Placed in Top 5% at the FIRST World Championships, St. Louis USA, 2017
- 1st Place at Durham College Regionals, 2017
- District Ontario Championships, 2017
- Excellence in Engineering Award, World Championships, St. Louis USA, 2017
- Excellence in Engineering Award, Durham College, 2017
- Excellence in Engineering Award, Georgian College, 2017
- Excellence in Engineering Award, Nipissing University, 2017

Peel Skills & Ontario Skills Competitions

- Represented Peel District School Board at the Ontario Skills Competition for Mechanical CAD
- Gold Medal in Mechanical CAD at the Peel Skills Competition, 2018
- Silver Medal in Mechanical CAD at the Peel Skills Competition, 2017

Computer Skills

- 3D CAD (Autodesk Inventor Professional, Creo)
- 2D CAD (Draftsight)
- Microsoft Office Suite (Word, Excel, Powerpoint, etc.)
- Google Suite (Docs, Sheets, Slides, Drive, etc.)
- Programming (Python, Java, Matlab, html/css, etc.)

RELEVANT EXPERIENCE

Machining/Manufacturing Skills

- Experienced with hand tools
- Experienced with precision measurement tools (digital caliper, micrometer, gage blocks/pins, feeler gage, height gage, profilometer, etc.)
- Experienced with manufacturing machines/techniques (Milling Machine, Lathe, Brake Press, CNC, Brake Press, Laser/Plasma cutting, Drill Press, Horizontal/Vertical Band Saw, Slip Roll, etc.)
- Experience working with materials: Steel, Aluminium, Plastics

CERTIFICATIONS / SKILLS / EXPERIENCE / EXTRA CURRICULAR ACTIVITIES

- York University, Lassonde FSAE Motorsports team (member)
- FRC Team 4946 Alumni (former design captain)
- Experienced with VEX/FRC components / kit of parts
- STEM Mentor for elementary school children grades 5 to 8
- Ontario G level drivers license
- Standard First Aid and CPR
- Bronze Cross and Bronze Medallion
- White Sail certification, sailed Lake Ontario, East Coast, Bahamas and Croatia
- PADI certified Scuba Diver
- Solves the Rubik's Cube in 12.39 seconds and regularly competes at official World Cube Association (WCA) events in Toronto, Boston MA, and University of Waterloo (Canadian Nationals)
- Plays electric/acoustic/bass guitar and traditional percussion instruments

EMPLOYMENT HISTORY

Engineering Summer Student - MATCOR Metal Fabrication, Brampton (summer 2019)

- Working with engineering dept. (understanding of PPAP and ECN processes)
- Working with shipping / receiving (understanding of routing / supply chain)
- Review of engineering drawings
- Design of templates, fixtures, and GO/NO GO gauges for QA (in process / final)
- Creation of new internal standard title block for engineering drawings
- Standardization of processes / creation of standard work instructions
- Cycle time optimization of robot grinding cell
- Design of experiments, data collection, and analysis
- Optimization of CMS stations and reporting processes
- Creation and management of new ticket system for tracking and correcting production reporting errors
- Working with employees, management, and customers for continuous improvement in areas of safety, production, quality, etc.

Engineering Assistant - TRIUMF National Lab of Nuclear and Particle Physics, UBC (summer 2017)

- Worked under multiple electromechanical engineers and assisted with research
- Assisted PhD. Chemists in the radiation lab
- Logged times, data, and observations of experiments
- Authored multiple reports
- Used a profilometer and electron microscopes to scan the surfaces of different samples

Part-time Employee - Eventure Inc. 2015-2018

- Load, unload and pack-up equipment from trucks (warehouse/on-site)
- Set-up equipment for large events (on-site)
- Fold, measure, steam and catalog fabrics by length and type (warehouse)

Overnight Camp Counsellor - Guelph Conference Center 2015-2017

Day Camp Counsellor - Markham Day Camp 2015-2017