

## SUMMARY

A steadfast, committed, and passionate specialist motivated to engage as a team player and individual contributor. A thoughtful and attentive listener readily analyzing problems to offer viable and original solutions.

## SKILLS

- Keen interest in the environment, in living systems and mechatronics
- Strong communications + leadership developed by heading a FIRST Robotics programming team, tutoring students in math, and refereeing hockey
- Over four years coding experience, including embedded systems
- Experience coding in Java, C, C++, Python, AutoCAD, SolidWorks, MATLAB

## EDUCATION

*Honours Science, Biology* 2015-2020

**University of Waterloo** | HBSc

Courses in Biology, Ecology, Geoscience and Mechatronics Engineering

*OSSD – Ontario Secondary School Diploma* 2011-2015

**Robert Bateman High School** | Honours Society

Awards annually in IB/Academic Courses

## WORK EXPERIENCE

*Private Tutor* Sep 2013-present

**Tutoring Services** | Burlington ON

- Customized approach and adapted teaching methods to meet individual differences in learning styles for student success

*Manufacturing/ Assembly Technician + Customer Service* Summer 2019

**Lowe's Canada** | Burlington AB

- Assembly of retail products, assisting customers

*Field Auditor + Recycling Ambassador* May-Aug 2018

**Recycling Council of Alberta** | Edmonton AB

- Contracted to City of Calgary and other regions for various projects

*Manufacturing + 3D Printing Engineering Intern* Sep-Dec 2016

**Red Merle Ltd. + Proto3000** | Burlington/GTA ON

- Quality control and finishing work for manufactured 3D printed parts
- Designed amplifier, built prototype and developed website

*Manufacturing Engineering Intern* Apr-Aug 2016

*Manufacturing Technician for Automotive Parts* Summer 2015

**Karmax Heavy Stamping, a Cosma International Group of Magna International** | Milton ON

- Worked in engineering department; created video operations manuals
- Demonstrated speed and accuracy in multiple assembly lines
- Achieved quality control standards inspecting and correcting welds

EXPERIENCE (cont'd)	<i>Content Manager for SEO – Search Engine Optimization</i> 2012-2013 <b>Toronto SEO Group</b>   Greater Toronto Area ON • Utilized and developed effective protocols to raise search rankings
	<i>Referee, Atom Division</i> 2011-2012 <b>The Pond Hockey</b>   Burlington ON • Instructed first-time hockey players in proper sportsman conduct
LEADERSHIP	<i>Team Member, Lead Programmer/Driver</i> 2013-2015 <b>FIRST Robotics Team 4902 Wildebots</b>   Burlington ON • Led the programming team by coordinating and developing of all code for the robot, controls, feedback, and interaction • Primary robot driver for all competitions attended, operated the robot as well as fixed and improved robot in pit between matches
	<i>Tutor</i> 2013-2015 <b>Math Clinic, Robert Bateman High School</b>   Burlington ON • Explained concepts, motivated, imparted study tips and tricks to Grade 9/10 students for their math curriculum
	<i>Grads in Action for Spread the Net</i> 2014 <b>Robert Bateman High School</b>   Burlington ON • Participated in fund-raising activities for this global charity
	<i>Instructor Leader</i> 2013-2014 <b>Halton Children's Water Festival</b>   Burlington ON • Led Grade 5 children in engaging learning activities
	<i>Jr Leader</i> 2009-2011 <b>Air Cadets, Mohawk Squadron</b>   Burlington ON • Participated in instruction and led younger cadets
ACHIEVEMENTS	<i>President's Scholarship</i>   University of Waterloo <i>Thermo Robotics Award</i>   FIRST Robotics Lead Programmer/Driver <i>International Baccalaureate Certificate</i>   RBHS Physics <i>Award of Merit Certificates</i>   RBHS Gr 11 + 12 Computer Science <i>Academic Honours Society</i>   Robert Bateman High School <i>Annual Paddling Trips (Bay Tripper)</i>   Northwaters Langskib <i>Duke of Edinburgh Awards</i>   Bronze   Silver   Gold <i>Bruce Trail End-to-End Certificate</i>   885 km hiked
INTERESTS	Environment, people, technology, ethics, canoeing, camping, card games (MtG), online games ( <i>Starcraft 2</i> , <i>DotA 2</i> ), board games, fiction novels, cooking, food, Canadian indie music, guitar/bass, + house league/pickup hockey since 2001