

# Megan Heath

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## EDUCATION

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### **MSc Environmental Engineering**

Sept 2019- present

École de technologie supérieure ÉTS, Montréal, QC

- Research thesis: Multispectral vision for robotic pollinators (bees)

### **MSc Behavioral cognition and Neurobiology- Candidate**

May 2016 - Sep 2017

University of Windsor, Windsor, Ontario

- Research thesis: Sound evasion in invasive Sea Lamprey
- Discontinued (Sept 2017)
- Mass spectrometry, dissection, slide mounting and staining, Auditory Evoked Potential equipment (for neural stimulation), morphology analysis, Behavioral analysis
- Attended CCFFR (2017) & 8th binational LEMN meeting (2017)

### **BSc Biology, specialization Ecology**

Sep 2012 - Nov 2016

Concordia University, Montreal, Québec

- Graduated with a GPA of 3.02 (4.3 scale)
- Completed an Undergraduate thesis using genetics and population modeling
- Speaker for a symposium on sustainability and human rights (2013)
- Attended 9th International workshop on Salmonid smoltification (2013) & 38th annual SQEBC conference on animal personality (2013)

### **Biology/Biological Sciences, General**

Sep 2009 - May 2012

John Abbott College, Montreal, Québec

- Certificate of Appreciation (2009-2010, 2010-2011)
- Contribution to student Life certificate (2010-2011, 2011-2012)
- Attestation 50-hour Psychosocial enhancement Program (2011); education course designed to meet the special needs of elderly veterans

## SKILLS

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- Bilingual French/English; spoken and written
- Software: MS office, Revit, AutoCAD, SPSS, GIS
- Software languages: Java, C+, Python
- I have 8 years of experience working on international research teams
- I am proficient in a leadership role, well organized, personable and quick to learn.
- I do well in diverse team environments where we can collaborate on a challenging project.
- I also have leadership and organizational experience outside an office or lab environment as I

have guided activities such as Rock climbing, Kayaking, Canoeing, Survival and Hiking for many years(2009-present). This experience has taught me how to work efficiently under pressure, be adaptable, and listen/ communicate effectively

- I have 10 years of experience in customer services

## WORK EXPERIENCE

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### Research biologist

Jun 2016 - Sep 2017

University of Windsor • Windsor, Ontario

- Project management (trial design, equipment testing, data analysis, compliance with gov. regulations)
- Developed specifications for equipment, materials and supplies to be purchased
- Consulted with suppliers and manufacturers
- Purchasing
- Live animal care, procurement and lab testing
- Tank setup and maintenance
- Preparations of lab solutions for experiments

### Agricultural equipment and supplies technical salesperson

May 2009 - May 2016

Cramer flower nursery

- Supply management (purchase orders, delivery booking, etc.)
- Horticultural consultation (plants, planning, chemicals, etc.)
- Nursery Maintenance
- Personnel training

### Research biologist

Jan 2013 - Dec 2015

Concordia university • Montreal, Québec

- Aquaculture facility management
- Live animal care
- Project management (i.e., data entry, reports, trial running, trial design, etc.)
- Electrofishing, PCR, ABR, Gel electrophoresis, modeling (CranR statistical software)

### Research biologist

May 2013 - Aug 2013

Holar university college • Holar

- Electrofishing
- Data entry
- Field trials and behavioral analysis
- Specimen identification
- Sample collection
- Animal tagging (pit tags, flo tags)