

Education

McGill University	(09/2013 -) BSc. major physics, minor computer science Transcript available upon request.
Winston Churchill High School	(09/2009 - 05/2013) Alberta High School Diploma International Baccalaureate Diploma

Practical experience

RoboHacks (McGill Robotics)	(09/2016 -); project manager/financial officer Responsibilities include coordinating and organizing the event, allocating tasks and resources, and ensuring proper communication among team members. Also responsible for keeping track of expenses incurred throughout the year, preparing projected and final budgets for the academic year, and handling reimbursements.
McGill Robotics	(11/2015 -); Mars Rover electrical systems specialist Responsibilities include contributing to printed circuit board design with the use of specialized software (DipTrace), as well as searching for suitable integrated circuits. Also responsible for soldering, testing, and running diagnostics on the circuit boards.

Practical experience (cont.)

RoboHacks (McGill Robotics)

(02/2016 - 03/2016); director of technology

Responsibilities included coordinating and organizing the event, as well as providing consultation related to hardware and electrical components.

International Genetically Engineered Machines

(03/2012); team member

Assisted in brainstorming project ideas; researching prospective ideas; doing lab work (culturing cells, performing genetic mutations, and running agarose gels); interacting with the community; and working on the project wiki. Co-authored a scientific poster with results of the project.

Research experience

Research assistant

8 weeks, summer 2014
University of Lethbridge
Lethbridge, AB, Canada

Conducted research in the field of biochemistry under the supervision of Dr. Steve Mosimann; approximately 35 hours/week.
Duties included recording data, protein purification, and running polyacrylamide gels.

Research assistant

6 weeks, summer 2012
University of Lethbridge
Lethbridge, AB, Canada

Conducted research in the field of biochemistry under the supervision of Dr. H.J. Wieden; approximately 35 hours/week.
Duties included protein purification and creating and presenting a scientific poster.

Publications

[Graphite Publications](#),
15/09/2016

[The Autonomy Olympics: RoboSub 2016](#)

[Graphite Publications](#),
14/07/2016

[Redefining Experiences: the Implications of Augmented Reality](#)

[Graphite Publications](#),
18/03/2016

[Hacking Away at Tech's Borders](#)

[Engadget Public Access](#),
09/09/2015

[Show me how to use the face book!](#)

Languages

Spoken languages English, French, Bengali

Computer languages and software (Github: [shammamah](#))

- \LaTeX
- Java
- Python/MATLAB
- Mathematica
- HTML/CSS
- Arduino IDE
- MIPS assembly
- Bash
- C
- Processing
- DipTrace
- LTSpice
- MS Office (Word, PowerPoint, Excel)

Lab skills

- Printed circuit board design
- Oscilloscope operation
- Cell culturing
- Protein purification
- Gel electrophoresis