

# ALEX MOICA

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## Highlights of Qualifications

Strong background in team leadership, technical analysis, and laboratory experience, while also being quick to learn new ideas and procedures, especially in computer-related fields.

- *Laboratory Skills* developed through learning and utilizing techniques at the Abizaid Neuroscience Lab
- *Time Management Skills* demonstrated through working with strict deadlines at GPI North America
- *Attention to Detail* demonstrated through following and creating lab procedures & instruction manuals
- *Analytical/Problem Solving Skills* demonstrated through procedural analysis and debugging code
- *Exceptional Communication Skills* developed through conveying lab results and student mentorship
- *Knowledge of Python, Java, Android Studio, Blender, HTML, CSS, ELM, Inventor Pro*
- *Certified in WHMIS and Google Digital Marketing*

## Education

Electrical Engineering (B.Eng. with Co-op)  
McMaster University

Expected Graduation April 2021

- *Relevant Courses:*
  - Data Structures
  - Logic Design
  - Engineering Design and Graphics
  - Probability & Stats For Engineering
  - Engineering Mathematics
  - Microeconomics
  - Engineering Computation
  - Principles of Programming
  - Mechanics
  - Waves, Electricity and Magnetic Fields

International Baccalaureate Diploma with OSSD  
Colonel By Secondary School

Graduated June 2017

- Silver Medal (over 90% average)

## Engineering Associations

Junior Design Coordinator

February 2018 – Present

McMaster Engineering Competition (MEC)

- Implemented a creative and innovative challenge idea that tackles one of society's biggest engineering-related problems while offering aspiring engineers invaluable experience that will build their confidence and competence in engineering.
- Created guiding documents relevant to the challenge and designed and constructed the testing apparatus used for judging the competitors' submissions.
- *Employed **teamwork** and **time-management** skills in leading a team of volunteers and overseeing logistics to keep the competition running smoothly.*

## Work Experience

### Director of Public Relations

April 2018 – Present

McMaster Engineering Society (MES)

- Promoted all activities and initiatives of the MES to the Faculty, University, alumni, the community, and to industry.
- Coordinated all outreach, media recognition, ambassadorship, and mentorship programs of the McMaster Faculty of Engineering and the MES with members of industry for involvement, outreach, and coordination of joint initiatives and events.
- *Demonstrated **leadership** and **oral communication skills** in informing the students at McMaster of events and opportunities while also taking charge in the planning of said events.*

### Activity Coordinator

July 2016 – August 2017

GPI North America

- Organized a team of conversation aides for Japanese students from Caritas Junior College on visit to Canada to aid with English conversational skills and learning about the culture and traditions of Canada.
- Planned all the welcoming events, recreational activities, and field trips that students from Caritas Junior College would participate in during their time in Canada for their English immersion program.
- *Demonstrated **initiative**, and **organizational skills** to meet deadlines while incorporating both Caritas's interests and the students' interests in the events planned.*

### Immunofluorescence Research Assistant

September 2016 – February 2017

Carleton University Neuroscience Department

- Worked with a partner under the supervision of Dr. Alfonso Abizaid to investigate the relationship between the hormone ghrelin (GHS) and the anxiety associated with goal directed behaviour.
- Responsibilities included preparing and slicing mouse brains, staining, tagging, and fixing the slices for immunofluorescence, examining the slices under a fluorescence microscope, and viewing and documenting the behaviours of the mice that had blocked GHS-Receptors.
- *Employed **analytical**, **problem solving**, and **written communication skills** in working both independently and in teams to achieve the given goals.*

## Volunteer Work

### Google Ignite Computer Science Mentor

October 2017

Google with McMaster Outreach

- Mentored ~50 students from Huntington Elementary School in grades 5 to 8 on functional programming and how to understand and employ Elm, a programming language that compiles to HTML, CSS, and JavaScript, to create animated scenes.
- Taught students how to define functions and variables, employ mathematical concepts into their code, and manipulate objects properties under the supervision of Dr. Christopher Anand.
- *Demonstrated **computer**, **analytical**, **problem solving**, and **oral communication skills** in writing, debugging, and compiling both personally written and student written code.*