

# ALEX MOICA

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Strong background in leadership, technical analysis, and software design & implementation; with an ability to quickly learn and implement new ideas. Highly interested in TCP/IP, Networking, and Penetration Testing.

## Skills Overview

- *Programming Languages & Markup: C, Python, Java, HTML, CSS*
- *Industry Tools: Git, Android Studio, Matlab, Photoshop, Blender, Inventor Pro*
- *Soft Skills: Leadership, Oral & Written Communication, Problem Solving, Teamwork, Time Management*

## Work Experience

<b>Director of Public Relations</b>	<b>McMaster Engineering Society</b>	<b>April 2018 – Present</b>
<ul style="list-style-type: none"><li>• Promoted all activities and initiatives of the MES to the Faculty, university, communities, and industries.</li><li>• Effectively collaborated with industry representatives to coordinate joint initiatives.</li><li>• Exemplified <b>leadership</b> and <b>oral communication skills</b> through communicating effectively with over 5000 students to create and promote events and activities.</li></ul>		

<b>Research Assistant</b>	<b>Carleton University</b>	<b>Sept. 2016 – Feb. 2017</b>
<ul style="list-style-type: none"><li>• Worked under the supervision of Dr. Alfonso Abizaid to investigate the relationship between the hormone ghrelin (GHS) and the anxiety associated with goal directed behaviour.</li><li>• Responsibilities included documenting mouse behaviours, preparing mouse brain slices for immunofluorescence, and examining the slices under a fluorescence microscope.</li><li>• Employed <b>analytical, problem solving, and written communication skills</b> to achieve the given goals.</li></ul>		

## Engineering Associations

<b>Junior Design Coordinator</b>	<b>McMaster Engineering Competition</b>	<b>Feb. 2018 – Nov. 2018</b>
<ul style="list-style-type: none"><li>• Implemented an innovative challenge that tackles one of societies biggest engineering-related problems to offer aspiring engineers experience towards building their confidence and competence in engineering.</li><li>• Created instructional booklets and large-scale testing apparatus used for judging the submitted designs.</li><li>• Employed <b>teamwork and time-management skills</b> in leading a team of volunteers and overseeing logistics to keep the competition running smoothly.</li></ul>		

## Volunteer Work

<b>Computer Science Mentor</b>	<b>Google &amp; McMaster Outreach</b>	<b>Oct. 2017</b>
<ul style="list-style-type: none"><li>• Alongside Dr. Christopher Anand, mentored ~50 students from Huntington Elementary School on functional programming using the Elm language to create animated scenes.</li><li>• Taught and helped students implement basic programming and mathematical principles.</li><li>• Demonstrated <b>computer, analytical, problem solving, and oral communication skills</b> in writing, debugging, and compiling both personally written and student written code.</li></ul>		

## Education

<b>Hamilton, ON</b>	<b>McMaster University</b>	<b>Expected Graduation April 2021</b>
<ul style="list-style-type: none"><li>• B.Eng. in Electrical Engineering (Co-op)</li></ul>		

## Projects

- **Android CV (2018):** Cross-platform integration of OpenCV with Android to enable face detection and processing. Currently detects over 10 concurrent faces and tracks head movements. Future goals: implement face recognition, image database, and progress to wearable technology. *Java, Android Studio, OpenCV*
- **Website (2018):** Personal professional website created to increase my internet presence while better advertising myself to potential employers. Written in pure HTML & CSS, implementing jQuery for various on-click effects. *HTML, CSS, jQuery, Photoshop*
- **Assets (2017):** Python bank account balance tracker meant to provide a quick overview of all my accounts and the purchases made from them. Heavy integration of the Tkinter and matplotlib libraries. *Python*