ALEX MOICA

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Education

Hamilton, ON	McMaster University	Expected Graduation April 2022

- **B.Eng. in Software Engineering (Co-op)**

Work Experience

Vice President Academic	McMaster Engineering Society	March 2019 – Present

- **Worked effectively** as part of an executive team to lead the society through recent provincial regulations negatively impacting student societies, while greatly improving the **value** and **efficiency** of offered services
- Liaised with the Dean, Associate Deans, and Faculty heads regarding academic issues impacting over 5500 students such as curriculum changes, academic fairness, and program restructuring
- Organized/oversaw all academic initiatives of the Faculty of Engineering and the McMaster Engineering Society

Director of Public Relations	McMaster Engineering Society	April 2018 – March 2019

- Grew social media channels by over 40 000 engagements, and exemplified **leadership** and **oral communication skills** through communicating effectively with over 5000 students to create and promote events and activities.
- Promoted all activities and initiatives of the MES to the Faculty, university, communities, and industries.
- Effectively collaborated with industry representatives to coordinate joint initiatives.

Projects

- **Food Image Recognition (2019):** Machine learning application created to distinguish between a variety of fruits and vegetables. Based off of Tensorflow and using the CIFAR-100 database for training images, this program takes accepts user inputted images through a Tkinter GUI and identifies them by type of food. *Skills developed: Tensorflow, Python, Git*

- **Instant (2019):** iOS/Android mobile app aimed at facilitating booking restaurants online and ordering food to be ready by a certain time for eat-in or pick-up. Instant will modernize how people book their nights out, and will eliminate the time and effort spent on placing reservations, waiting for their servers and their food, and paying the bill. *Skills developed: Dart, Flutter*

- **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. *Skills developed: HTML, CSS, jQuery, Photoshop*

Activities & Leadership

Design Coordinator	McMaster Engineering Competition	Feb. 2018 – Nov. 2018

- Employed **teamwork** and **time-management** skills in leading a team of volunteers and overseeing logistics to keep the competition running smoothly.
- 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.
- Created instructional booklets and large-scale testing apparatus used for judging the submitted designs.

Computer Science Mentor	Google & McMaster Outreach	Oct. 2017

- Alongside Dr. Christoper Anand, mentored ~50 students from Huntington Elementary School on functional programming, demonstrating **computer, analytical**, **problem solving**, and **oral communication skills** in writing, debugging, and compiling both personally written and student written code.
- Taught and helped students implement basic programming and mathematical principles.

Skills Overview

- *Programming Languages & Markup:* C, Python, Java, Assembly, Dart, HTML, CSS, MATLAB, Maple
- *Industry Tools:* Linux, Git, Tensorflow, Flutter, Android Studio, Photoshop
- *Non-Technical Skills:* Team Leadership, Communication, Accountability, Task Prioritizing, Problem Solving