


Elias Al Homsy

Software Engineer



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EXPERIENCE



Capstone Contract Engineer | [RBC](#) 2019- September - April

Software Engineering Graduation Project in collaboration with RBC.
Extrapolate customer insights to build economic predictions.
Create a graphical representation of RBC customers ecosystem in realtime.
Implement network science techniques to uncover economical insights

Intern: Software Engineer Co-op | [Microsoft](#) 2019 July - September

Joined R&D Location services team of Windows OS.
Designed and implemented a tool for an experimental technology.
Worked using Azure services for notifications and networking.

Intern: Software Engineer Co-op | [Shopify](#) 2019 January - June

Worked with the Payments team at Shopify
Integrated a solution to diagnose and report errors
Fixed bugs and introduced new payments routines and features

Intern: Software Engineer Co-op | [Microsoft](#) 2018 May - August

Worked in the online team and built web service for Gears of War
Integrated and deployed an internal tool with its build/release cycle
Integrated cutting edge authentication and authorization mechanisms
Learned azure technologies for notifications, data storage and security

PROJECTS



Computer Vision

2014 May

- object selection and movement tracking
- image manipulation, filters, edge-corner detection and stitching
- Tools: C++, OpenCV, and Android

Rigid Body Simulation

2013 September

- simulation of rigid bodies while in motion in 2D space
- spring, material, collisions, explosions and Newtonian physics
- awarded best project built using C#, XNA 4.0

EDUCATION



BEng, Software Engineering
McGill University
CGPA 3.91/4.0

September 2017 to May 2020

BEng, Software Engineering
Concordia University
CGPA 4.12/4.3

September 2016 to August 2017

AFFILIATION



Board Member of SAF | [Concordia University](#)
2016 September - 2017 June

- SAF is Sustainability Action Fund
- represented engineering students for the board
- assessed projects and studied their impact

President of SSA | [Concordia University](#)
2016 September - 2017 June

- held events to promote culture and raise awareness
- facilitated meetings and task distribution
- raised funds to support Syrian refugees

Competitive Programmer | [McGill University](#)
2016 September - 2017 June

- ACM ICPC competitive programmer
- IEEE Extreme 4th place on Canada 89th international
- participated in regional and national contests

LANGUAGES



English - bilingual | French - fluent
Arabic - bilingual | German - elementary proficiency

HOBBIES

