


Elias Al Homsy

Software Engineer



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EXPERIENCE



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

- worked with the Location team of Windows OS

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

Intern: full stack web developer | [District3](#) 2017 May - August

- worked within an interdisciplinary team on an exciting startup
- performed market validation and wrote business plan
- built a website to exchange information and documents securely
- managed the server and ensured secure and swift deployment

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 3.92/4.0

September 2017 to December 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

