

Ahmed Elehwany

ahmed.elehwany@mail.mcgill.ca | +1 (438)927-3816 | English | French | Arabic
www.linkedin.com/in/ahmed-elehwany/ | github.com/ahmed-elehwany
seeking summer internship

EDUCATION

MCGILL UNIVERSITY

BENG IN SOFTWARE ENGINEERING
SEP 2016 - MAY 2021 (EXPECTED) |
MONTRÉAL, QC, CANADA
CUM. GPA: 3.5 / 4.0

AWARDS

2019 - CAE Certificate of Excellence
2019 - Most Practical Award in McGill
Women in CS Hackathon
2018, 2019 - McGill Tomlinson
Engagement Award for Mentorship

COURSES

Signals and Networks
Fault Tolerant Systems
Software Requirements Engineering
Algorithm Design
Data Structures and Algorithms I
Data Structures and Algorithms II
Model-Based Programming
Software Engineering Principles
Systems Programming
Functional Programming
Computer Organization
Operating Systems

PROGRAMMING

Advanced

Java • C/C++ • C# • HTML • CSS

Intermediate

Python • Javascript (NodeJS)

Objective-C • Bash

Familiar

PHP • Swift

ACTIVITIES

VARSITY SQUASH TEAM,
McGill University (2019-Present)

- Participates in inter-school varsity tournaments.
- Travels with the team to represent McGill in away tournaments.
- Plays for McGill in Montreal Squash League.

WORK EXPERIENCE

CAE INC. | SOFTWARE ENGINEER INTERN

JAN 2019 – AUGUST 2019 | MONTRÉAL, QC, CANADA

- Awarded Certificate of Excellence for algorithm optimization.
- Led a project to use a Git open-source library to manage configuration files used across over 50 flight simulation training sites worldwide.
- Designed, improved and tested c++ APIs and internal tools, shipping them successfully into production.

Java • C# • C/C++ • LibGit2 • JNI Wrapper

TACTIO HEALTH GROUP | IoT SOFTWARE ENGINEERING INTERN

MAY 2018 – AUGUST 2018 | MONTRÉAL, QC, CANADA

- Worked on IoT Bluetooth data syncing between medical devices.
- Redesigned android library to allow for Bluetooth multi-streaming.
- Performed improvements to android client apps with over 4.5M users.

Java • Objective-C • BLE IoT streaming

EXTRACURRICULARS

COMPETITIVE PROGRAMMING AT MCGILL | VP FINANCE

DEC 2018 – PRESENT | MONTRÉAL, QC, CANADA

Manages over 10000\$ cad allocated for the multi award winning competitive programming organization at McGill.

Reports cost estimates for events and competitions.

Regularly aids in the development and maintenance of club infrastructure and student training.

MCGILL COMPUTER SCIENCE UNDERGRADUATE SOCIETY |

HELPDESK TUTOR

SEP 2018 – PRESENT | MONTRÉAL, QC CANADA

Holds weekly office hours to provide support to students in:

Introduction to Computer Science • Software Systems

Data Structures and Algorithms • Object Oriented Programming

PROJECTS

CAPSTONE PROJECT (CAPELLA) | MCGILL UNIVERSITY | 2019 – 2020

Demonstrates the use of advanced logic solvers to help automate the safety assurance of tools used in the design of critical systems such as autonomous vehicles and aeroplanes.

WISP PROJECT (TEAM OF 4 MEMBERS) | 2019 – 2020

Aids in the development of a system that aggregates and suggests competitive programming problems and solutions and display user rankings for members of competitive programming at McGill.

Node.js • MongoDB • Java