

# ALEXANDER ACHCAR

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📍 Montreal, Canada

## EDUCATION

### MCGILL UNIVERSITY, SCHOOL OF COMPUTER SCIENCE

2020 - 2023

Candidate for Bachelor of Science Degree in Software Engineering 2023

Montreal, Canada

Major: **Software Engineering** Minor: **Neuroscience**

**Notable Skills:** Requirements Specification/Elicitation (Peer-to-Peer and Client-Server Modelling), Data Analysis, Utilizing Design Patterns, Object-Oriented Programming, Artificial Intelligence, Machine Learning

**Notable Courses:** Algorithms and Data Structures (COMP251), Software Design (COMP303), Software Design Project (COMP361D1), Artificial Intelligence (COMP424), Software Validation (ECSE429), Intelligent Software Systems (COMP585), Applied Machine Learning (COMP551), Software Privacy (COMP555)

### MARIANOPOLIS COLLEGE

2018 - 2020

Montreal, Canada

Montreal, Canada

Attained DEC diploma in Pure and Applied Sciences completed in June 2020

## EXPERIENCE

### TECHNOLOGY SUMMER ANALYST

May – August 2022

Citi Canada – Mississauga

- Performed Data Analysis on large datasets to draw effective and accurate conclusions on trade impacts.
- Leveraged Python, SQL, and AWS features to develop software aimed at improving the current processes in the lifecycle of my team at Citi.
- Actively absorbed new insights on upcoming trends in both technology and finance which I took advantage of to offer unique solutions on a variety of different projects.

### CODING/STEM COURSE INSTRUCTOR

June – August 2021

First Code Academy – Hong Kong

- Taught a variety of Computer Science related topics such as Python, JavaScript, and Video Game modding to children aged between 7 and 16 through both remote and in-person means.
- Produced educational tutorials on many topics such as creating utilities in JavaScript or using MIT's App Inventor for First Code Academy's YouTube channel.
- Created daily lesson recaps and maintained a line of direct communication with parents.

### RESEARCH INTERN

June – August 2020

Actel Consulting – Hong Kong

- Conducted research and delivered insights related to internet economy in South East Asia.
- Constructed, designed, and assisted presentations to clients and investors on a wide range of tech topics including broadband, fibre, data centres and cloud computing.
- Shadowed meetings and discussions regarding the application of my research.

### SOFTWARE DEVELOPER INTERN

June – August

Ni2 Software – Montreal

- Cooperated with a team of six developers to create, ship, and update the front and back end of Ni2's open technology platform.
- Augmented search queries through the use of an XML language tailored to Ni2's platform.
- Operated in Python to build code and edited outdated code written in Java.

2017 & 2019

## LEADERSHIP AND INVOLVEMENT

### THIRD PLACE AT BOLT MCGILL HACKATHON/BOOTCAMP

September 2020

McGill University – Montreal

- Constructed a product grounded in EdTech by leading a group of four.
- Pitched our UI in Figma and a detailed business plan to a panel of four experienced professionals in the industry who judged the project as a very innovative product.
- Attained the fundamentals of product design and product management.

### SECOND PLACE AT MARIHACKS HACKATHON

March 2020

Marianopolis College – Montreal

- Spearheaded a team of four to build a program using Python that crawled the internet for solutions to schoolwork questions captured with a single image.
- Programmed a chatbot using Keras and TensorFlow to help answer basic questions about a variety of topics.
- Outperformed 15 teams and placed second in Montreal's largest 24-hour College-level hackathon

## EXTRACURRICULARS

Head of Production at TEDxMarianopolisCollege and Marianopolis Talent Show and participated in the Canadian Computing Competition (Senior Level)

## SKILLS & INTERESTS

### SOFTWARE & APPLICATIONS

Java, Python, C, Unix, HTML5, CSS, JavaScript, React, Next.js, AWS, Docker, Django, Jenkins, PyTorch, SQL, RESTful APIs, Git, BitBucket, Jira, Figma, IntelliJ Debugging, jUCMNav, SonarQube, Facebook Infer

### INTERPERSONAL AND COMMUNICATION SKILLS

Collaboration and Teamwork, Analytical and Critical Thinking, Organized, Integrating Feedback, Design-Oriented, Working under Pressure

### LANGUAGES

English (Fluent), French (Comprehensive), Mandarin (Basic)

### INTERESTS

Artificial Intelligence, Big Data, Product Design, Cloud, UI & UX, Track and Field, Podcasts