

MEHDI CHAID

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INTERNSHIPS

Software Engineer Intern

Microsoft

📅 Summer 2019

📍 Redmond, WA

- Worked under the **Azure Dev Spaces** team, within Microsoft Developer Division.
- Developed an internal website with **Asp.Net Core & VueJs** to enhance the productivity of developers within the team.
- Deployed the application with **Docker** & provide CI/CD through **Azure DevOps**.

Software Engineer Intern

Google

📅 Winter 2019

📍 Mountain View, CA

- Worked under the **Android Core Framework** department for the **Fused Location Research** team.
- Provided the team with **tools & metrics** for the system, then integrated them into the main location pipeline.
- Used **C++ & Python** to improve the **accuracy** of geo-location **back-end** algorithms within the Android ecosystem.

Software Developer Intern

Corstem

📅 Summer 2018

📍 Montreal, QC

- Developed a robust **AI medical software**, using the **C++ Qt** framework to help cardiologists with their diagnostics.
- Optimized & improved **machine learning algorithms** using **PyTorch, Tensorflow & Keras**.
- Conceptualized a **software architecture** to serve as a base framework for the company development.

Software Engineer Intern

Microsoft

📅 Winter 2018

📍 Vancouver, BC

- Led the development of an **open source Windows 10 utility** application to inject **AI** into the snipping process.
- Worked extensively with **Cloud Services** in **Azure** & image processing tools under the **C# WPF** framework.
- Designed a **multi-threaded architecture**, leading to a solid **8x performance gain** while using **5x less resources**.

EDUCATION

Bachelor of Engineering

Polytechnique Montréal

📅 August 2016 – May 2021

🎓 Software Engineering

- **3.4 / 4.0 CGPA** with 62 out of 120 units completed.
- **Artificial Intelligence & Data Science** specialization.
- Recipient of the **FRQ & UPIR research scholarships**.
- Member of the **game development** group, PolyGames.
- **Sponsorship manager** at PolyHx for Hackatown 2019.

Quebec Diploma of College Studies

Collège de Maisonneuve

📅 September 2014 – May 2016

🎓 Computer Science & Mathematics

IT Technician during the Computer Science open doors day.

EXPERIENCES

Student Researcher

UPIR Program

📅 Fall 2019

📍 Montreal, QC

- Work on fixing motion-induced errors in newborn's **brain MRI** with **CNNs**.
- Research then develop motion detections & compensation solution using **PyTorch**.

Teacher Assistant

INF2010

📅 Fall 2018 - 2019

📍 Montreal, QC

- Help lead the junior year **Algorithms & Data Structures** laboratories.
- Teach students how to solve interview level algorithms using **Java**.

Teacher Assistant

INF1010

📅 Fall 2017

📍 Montreal, QC

- Helped lead the freshman year **Object Oriented Programming** laboratories.
- Introduced students to more advanced concepts through **C++ & Qt**.

Web Developer

Discount Quebec

📅 Fall 2017

📍 Pointe-Claire, QC

- Worked on a website using **Asp.Net & MySQL** to monitor cars deployment.
- Developed a platform to help the HR, with **ColdFusion & Bootstrap**.

PROJECTS

Growth

Social Platform

📅 October 2018

📍 HackHarvard

- Web platform for providing shelter to the unemployed through **social services**.
- Web application developed with **Wix & Cloud AutoML**.

Curiocity

Mobile Application

📅 March 2018

📍 Mission Hack

- **Award-winning** image recognition tool for danger detection in the wild.
- Developed using **React-Native & Azure's Cognitive Services**.

Pow Chicken Pow Pow!

3D Shooter

📅 August 2017

📍 Creative Jam

- Multiplayer game created with **Unity3D**.
- Developed the **shooting physics**, some gameplay elements & NPC's **AI**.