MEHDI CHAID

in mehdi-chaid   **⌖** JeyzerMC   **☎** 514-589-1904

www.jeyzermc.com

✉ jeyzermc@gmail.com

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** & provided 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 detection & compensation solutions 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**.