MEHDI CHAID

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INTERNSHIPS

Software Engineer Intern   Microsoft

Summer 2019   Redmond, WA

- Work with the **Azure Dev Spaces** team under the Microsoft Developer Division.
- Develop an internal website with **Asp.Net Core** and **VueJs** to enhance the productivity of developers within the team.
- Deploy the application with **Docker** and 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** and **metrics** for the system, and integrate them into the main location pipeline.
- Used **C++** and **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 and improved **machine learning algorithms** using **PyTorch**, **Tensorflow** and **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** and 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** and Data Science specialization.
- Recipient of the FRQ and 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 and 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 existing motion compensation solutions using **PyTorch**.

Teacher Assistant   INF2010

Fall 2018 - 2019   Montreal, QC

- Help lead the junior year **Algorithms and 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++** and **Qt**.

Web Developer   Discount Quebec

Fall 2017   Pointe-Claire, QC

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

PROJECTS

Growth   Social Platform

October 2018   HackHarvard

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

Curiocity   Mobile Application

March 2018   Mission Hack

- **Award-winning** image recognition tool for danger detection in the wild.
- Developed using **React-Native** and **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 and NPC's **AI**.