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Summary_

Passionate about artificial intelligence and soon to graduate from Mila, a renowned institute for machine learning, I am looking for a data science position where I can work on real-world and inspiring applications.

Education

Mila & Université de Montréal

Montréal, QC, Canada

MSC IN COMPLITER SCIENCE 2018 - 2020

Mila is an institute for artificial intelligence located in Montréal, founded by Turing Award recipient Yoshua Bengio.

- Studied state-of-the-art methodologies with leading researchers in artificial intelligence.
- Attended highly theoretical courses such as Probabilistic Graphical Models, Representation Learning and Reinforcement Learning.
- Trained on development best practice with real-world applications in project-oriented courses like Autonomous Vehicles.

École Polytechnique Paris, France

MSC IN APPLIED MATHEMATICS

2014 - 2018

- Attended courses in applied mathematics, physics, mechanics and computer science.
- Specialisation in applied mathematics/computer science: statistics, machine learning and operations research/optimisation.

Experience _____

InVivo Al Montréal, QC, Canada

RESEARCH INTERN

May 2019 - December 2019

September 2017 - February 2018

InVivo AI is a Montréal-based and Mila-affiliated startup aiming to bring the power of machine learning to drug discovery.

- · Worked as a research scientist, designing algorithms able to cope with the dire data scarcity that plagues the field.
- Main research project: Adaptive Deep Kernel Learning, aiming to teach a network to extract knowledge from multiple tasks at once, a paradigm called meta-learning.
- · Developed internal tools to schedule training jobs more efficiently, including a web application front-end.

Ekimetrics Paris, France

JUNIOR CONSULTANT

- Ekimetrics is a French data-driven marketing consultancy and a leader in Europe. My missions included: • Extracting actionable insights from client data, be it marketing spending v. sales or online purchase funnels.
- · Working on a research project aiming to give more theoretical groundings to the methodology used in the company.

IBM Research Singapore

RESEARCH INTERN May 2017 - August 2017

- Led a research endeavour focusing on destination inference in the Singaporean public transportation network.
- My work was later published at the AAMAS conference as part of a larger project.

Papers _____

Meta-learning for drug discovery %

InVivo Al

Report on the research projects I carried out at InVivo AI during my eight-month internship.

December 2019

Adaptive Deep Kernel Learning %

InVivo Al

Paper submitted to NeurIPS 2019. A lighter version was accepted to the meta-learning workshop.

May 2019

FASTER: Fusion AnalyticS for public Transport Event Response %

IBM Research

Published at the 2019 International Conference On Autonomous Agents and Multi-Agent Systems.

May 2019

Skills_

Programming Extensive experience with Python – both high-level frameworks (eg Pytorch, Scikit-Learn) and low-level libraries.

Experience with web development, Docker and continuous integration. Familiar with SQL and Java.

Native French speaker, fluent in English. Intermediate Spanish skills Languages

BASILE DURA RÉSUMÉ JUNE 2, 2020