



Ridha Chahed

Data scientist

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ridhachahed

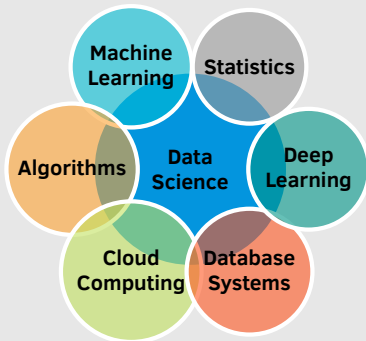
Education

2019-2022 | Master in Data Science, minor in Financial Engineering (GPA: 5.4/6) École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

2016-2019 | Bachelor in Communication Systems (GPA: 4.8/6) École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland.

Technical Skills

Overview



Programming

0 LOC —————> 5000 LOC

Python • SQL • PySpark • PyTorch

Hadoop • Scala • Java • C • Assembly

Experience

September 2024 **Senior Member of Technical Staff at Oracle** Zurich, Switzerland Present

- Leading the deployment of Large Language Models and Generative AI solutions in the Heatwave Cloud Service.

June 2022 **Member of Technical Staff at Oracle** Zurich, Switzerland August 2024

- Main developer of MySQL Generative AI and MySQL Retrieval Augmented Generation features.
- Developing MySQL HeatWave on AWS service, a fully managed database cloud service on AWS.
- Design and develop new machine learning capabilities for Heatwave ML notably recommendation systems for database systems.

September 2021 **Research Assistant at Oracle** Zurich, Switzerland March 2022

- Deploy high performing and distributed machine learning solutions for MySQL cloud database services as part of the Heatwave project.

February 2021 **Machine Learning intern at NEC Labs America** Princeton, USA August 2021

- Build deep learning models to analyze histological images of cancer tumors. Application of computer vision, adversarial learning and generative models for domain adaptation and transfer learning.

Fall 2020 **Teaching Assistant in Machine Learning** [Website](#)

- Support the lead teacher and assist graduate students on their projects for the Machine Learning graduate course at EPFL.

Fall 2020 **Graduate Student Researcher in intelligent Global Health lab** [Website](#)

- Lead a collaborative project between the Infectious Diseases Data Observatory (IDDO), EPFL and the University of Oxford.
- Studying sensitive data of the Ebola pandemic in order to detect and visualize patterns to guide targeted interventions and medical training.

Projects

Mars 2020 **Learning to play Pong with Deep Reinforcement Learning** [Code](#)

- Teach an agent to play the game of Pong by implementing a policy gradient neural network using the reinforce algorithm.

November 2019 **Netflix recommendation system** [Report](#)

- Recommend movies to user by Collaborative Filtering using Matrix Factorization with SVD++ and ensemble methods such as XGBoost.

Innovations & Leadership

March 2024 **Workshop Organizer & Speaker at the Applied Machine Learning Days (AML D) Conference** [Website](#)

February 2023 **Patent Holder: "Tuning-free unsupervised Anomaly Detection based on distance to neared normal point."**