



Contact

Phone

+41788184050

Email

mohamed.charfi@epfl.ch

Address

Route Cantonale 99 A
St-Sulpice 1025

Linkedin profile

<https://www.linkedin.com/in/mohamedcharfi/>

Technical skills

- Machine learning: python (pytorch, Numpy, pandas ...), Matlab
- Dev: java, C, C#, Unity
- Data analysis: Scala, Matlab, SQL, R
- Other tools: GitHub, Wandb, Docker, ...

Languages

Arabic: native language

French: C1 level

English: B2 level

German: A2 level

Mohamed Charfi

Data Science master's degree student

Educational background:

2023 - 2025

Data science master's degree at EPFL

Relevant courses : applied data analysis, machine learning, modern natural language processing, large-scale data science for real-world data.

2020 - 2023

Bachelor degree in communication systems at EPFL

2022 - 2023

exchange year in the Technical University of Denmark

Relevant courses : machine learning operations, database systems, Agile Object-oriented Software Development.

2020 - 2022

first and second year of the bachelor degree at EPFL

Relevant courses : algorithms, theory of computations, introduction to machine learning, functional programming.

2019 - 2020

Preparatory year (CMS) at EPFL

Relevant courses: linear algebra, programming.

2018 - 2019

Scientific baccalaureate

Graduated with first class honors.

Experiences and projects:

july 2024

Summer internship at Dnext

Agricultural commodities stock prediction .

Web scrapping (BeautifulSoup, Selenium, ...)

september - february 2023

Teaching assistant in the introduction to programming course

june 2023

6 weeks full stack internship at ST2I

design of a server and an android app to help collect data including fingerprints and verifying if the fingerprint is used in the database before adding it.

Other projects

Game design projects:

Design of 3 board games using java.

Machine learning operations project:

Using a machine learning algorithm and using multiple tools to optimize, test and deploy the model.

Large scale data project

Design of a probabilistic road mapper using the Swiss train network data (gives the optimal route and the probability of success)

Rehabilitation project:

Design of a robot-based game using unity and c sharp (chili lab epfl).

NLP project

Design of a chatbot used for academic question answering (used SFT, DPO and RAG)

Data analysis and visualisation projects

Design of a website of football statistics on clubs and players using D3.

Analyze the impact of various factors on IMDb movie ratings and present the results on a website.