



HADI DAYEKH

DATA SCIENTIST

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Phone: +33 (06) 69 50 97 60

Address: Grenoble (38000)

Holder of a PhD in computer science with a strong academic background and practical experience in **artificial intelligence**, **data analysis**, and modeling of **dynamical systems** from **time series data**. Skilled in **Python**, **machine learning** libraries, **data manipulation**, and **statistical learning**. Holds a **BSc in physics and computer science** and an **MSc in data science**. Motivated to transition to industry applications, leveraging advanced academic knowledge to deliver robust, scalable, and business-oriented data solutions.

SKILLS

TECHNICAL	Expert in Python including Scikit-Learn , Keras , PyTorch , Numpy , Pandas , and Matplotlib .
	Intermediate to advanced level in Java , C , SQL , and MATLAB .
	Experience with LLMs , AWS , C++ , OCaml , JavaScript , Scala , and PySpark .
	Efficient in Git and LaTeX .
SOFT	Able to adapt to new programming languages and environments.
	Fast learner.
	Good communicator and writer.
	Eager to work in a team.

LANGUAGES

Arabic	Native
French	Bilingual
English	Bilingual
Spanish	Beginner

OTHER ACTIVITIES

Food blogger @ [ChezHadi.com](https://www.chezhadi.com).
Member of the Verimag council.
Cofounder and president of the AUB Club of Witchcraft and Wizardry.
Previous cabinet member of various student clubs and societies.

HOBBIES

Cooking | Walking | Reading | Food blogging | Beyoncé

WORK EXPERIENCE

MACHINE LEARNING RESEARCHER

Verimag, Grenoble

09/2021 – 05/2025

- Developed two novel **machine learning** methods for **analyzing time series data** and **modeling hybrid dynamical systems** to predict their evolution.
- Applied **data preprocessing**, **data analysis**, **active learning**, **incremental regression**, **optimization** and **classification** for system identification.
- Implemented in **Python** and tested on multiple simulated and real-world experiments, with **quantitative evaluation** and **visualization of results**.
- Link to Git repository: [HyDyReg](#).

International publications: [ADHS 2024](#); [CDC 2024](#); Springer LNCS (à paraître)

INVITED RESEARCHER

Kyoto University, Kyoto, Japan

03/2023 – 04/2023

TEACHING ASSISTANT

Université Grenoble Alpes, Grenoble

02/2022 – 12/2023

Parallel Programming in C; Programming Languages and Compiler Design.

RESEARCH ASSISTANT

Inria, Grenoble

02/2021 – 08/2021

Extended a variant of relational algebra with nulls for data cleaning and preprocessing in a database. Achieved best grade.

Verimag, Grenoble

02/2020 – 07/2020

Modeled recurrent neural networks (RNNs) by learning automata over large alphabets and developed it in **Python**.

DEVELOPER

Université de Versailles, Versailles

06/2018 – 07/2018

Developed a graphical user interface for ASTROIDE, an Apache Spark project, using ScalaFX and implemented visualization of data queries using TOPCAT.

EDUCATION

PHD IN COMPUTER SCIENCE

Université Grenoble Alpes, Grenoble

2021 – 2025

- Passive and Active Learning of Switched Nonlinear Dynamical Systems
- Thesis available on [HAL](#)

MASTER IN DATA SCIENCE

Grenoble INP (ENSIMAG), Grenoble

2019 – 2021

- Master of Science in Informatics at Grenoble (MoSIG)
- Mention: Very Good (16.62/20)

DOUBLE MAJOR IN PHYSICS AND COMPUTER SCIENCE

American University of Beirut (AUB), Beyrouth

2015 – 2019

- Obtained with high distinction
- GPA: 4.0

HONORS AND AWARDS

- International Excellence Scholarship from Grenoble INP Foundation.
- Full 4-year scholarship from the American University of Beirut.
- Mark Sawaya Excellence Award (best graduating student in computer science at AUB).
- 4th rank across Lebanon in the Baccalaureate official exams.