



BILAL AL TAKI

Doctor Data Scientist and AI

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🌐 Homepage 🔗 LinkedIn 🐙 GitHub
📅 January 2023 with possibility before (to discuss)

EDUCATION

Ph.D. in Appl. Math.
Grenoble-Alpes Univ. & Lebanese Univ.

📅 2013 – 2016 📍 FR, LB

Studying problems related to fluid mechanics: Oceanography, Gas dynamics.

Master degree in Appl. Math.
Lebanese Univ. & Nantes Univ.

📅 2011 – 2013 📍 FR, LB

Stability of finite difference schemes for hyperbolic boundary value problems.

CERTIFICATIONS

- What is Data Science|IBM.
([Syllabus](#), [Certificate](#))
- Python for Data Science, AI & Development|IBM.
([Syllabus](#), [Certificate](#))
- Data Science with Python|IBM.
([Syllabus](#), [Certificate](#))
- Machine Learning with Python.
([Syllabus](#), [Certificate](#))
- Machine Learning Specialization|Stanford.
([Syllabus](#), [Certificate](#))

STRENGTHS

Data Visualization Python
Machine Learning Tensorflow
Deeplearning Latex Github
SQL

RESPONSIBILITIES

- Master Intership Co-Supervision of El Hassanieh at [INRIA](#).
- Participation in the jury of "Advance Coucours" at [EPITA](#).

LANGUAGES

Arabic French English

HOBBIES

- Basketball and Badminton
- Human behavior

ABOUT ME

Having a PhD in applied mathematics, and being passionate about Artificial Intelligence and Machine Learning related subjects with medium knowledge in this field, I am excited to apply my skills for solving real-world problems. Currently, I am a visiting Researcher at TU Kaiserslautern.

EXPERIENCE

Research and Teaching Fellow | [Sorbonne University](#)

📅 Sept 2021– Aug 2022 📍 Paris, FR

- Teaching mathematics courses for first and second academic year students.
- Establishing new mathematical results concerning problems related to Landslide phenomena.

Researcher | [Peking University](#)

📅 Jan 2020 – Aug 2021 📍 Beijing, CH

- Developing new achievements to better understand the shoreline problem in environmental problems.

Research and Teaching Fellow | [Sorbonne University](#)

📅 Jan 2019– Aug 2019 📍 Paris, FR

- Teaching mathematics courses for first and second academic year students.
- Collaborating with colleagues during the [CEMRACS'19](#) conference to studying the different numerical schemes devoted to the Compressible Navier-Stokes equations (used to model gas dynamics flow).

Researcher | [INRIA](#)

📅 Sept 2017 – Dec 2018 📍 Paris, FR

- Teaching mathematics courses for Engineering students at [Polytech Sorbonne](#).
- Developing new models to better understand the Tsunami phenomena.

PROJECTS

Here is a list of projects that I have done as a part of self-training on Data Science.

Data Science with Python | 🐍 2022

The aim of this project is to fit a linear regression or a Ridge Regression model to predict the price using the list of features given on a dataset which contains house sale prices for King County.

Machine Learning with Python | 🐍 2022

In this project, we use classification models such as K Nearest Neighbor(KNN), Decision Tree, Support Vector Machine, or Logistic Regression to determine whether a loan is paid off or in based on a dataset about past loans.

Car's generation detection | 🐍 2022

The aim of this project is to predict the generation (I or II) of some unknown generation cars based on the features of each generation.

SKILLS

- Project management.
- Extraction and structuring of data.
- Development of artificial intelligence algorithms.
- Industrialization of artificial intelligence models in applications.
- Following latest advancements.