



BILAL AL TAKI

R&D in Data Science and Artificial Intelligence

Mars 22, 1991 French and Lebanese 14th arrondissement of Paris
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 Homepage LinkedIn GitHub
 Immediately available

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 Internship Co-Supervision of C. 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 Ph.D. in applied mathematics, and being passionate about Artificial Intelligence and Machine Learning related subjects with good knowledge in this field, I am looking at joining a dynamic company and working on innovative projects for a promising future.

EXPERIENCE

Visiting Researcher | [TU Kaiserslautern](#)

- Sept 2022–Present Kaiserslautern, DE
- Studying non-Newtonian fluids for medical and environmental applications.

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, CN
- Developing new achievements to 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 study 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 understand the Tsunami phenomena better.

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 that 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.
- Conducting research and publishing papers in academic journals.
- Development of artificial intelligence algorithms.
- Representing the university at conferences and delivering presentations when necessary.
- A peer reviewer of scientific manuscripts.