



BILAL AL TAKI

Applied Scientist

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

Title: On some heterogeneous models in fluid mechanics.

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

2011 – 2013 FR, LB

Title: 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|IBM.
([Syllabus](#), [Certificate](#))
- Machine Learning Specialization|Stanford.
([Syllabus](#), [Certificate](#))

STRENGTHS

Data Visualization Python SQL
Machine Learning Tensorflow
Deeplearning Latex Github

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
- An insight into 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 (Google Scholar Profile).
- Development of artificial intelligence algorithms.
- Representing the universities at conferences and delivering presentations when necessary.
- Build and maintain a successful international collaboration across countries.
- A peer reviewer of scientific manuscripts.