BILAL AL TAKI

Doctor Data Scientist|Artificial Intelligence

Mars 22, 1991   French and Lebanese   162 avenue paul vaillant couturier, 75014 Paris
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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 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 excited to apply my skills for solving real-world problems.

EXPERIENCE

Visiting Researcher| TU Kaiserslautern

Sept 2022–Present   Kaiserslautern, DE

- Compressible non-Newtonian fluids and 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 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 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 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.