

# RÉMY GHALAYINI

PROGRAMMER & DATA SCIENTIST

## PROFILE

Analytical background in geophysics with 6+ years of experience in data science and technology. I am a programmer in C#, .net, JavaScript and Python, who builds software applications, writes machine learning algorithms, and can analyze any type of data to improve businesses. I want to help companies by creating new digital tools to solve business problems and help them understand the power of their data. Excellent team player, problem-solver, and critical-thinker. I love programming and making things easier to use.

## WORK EXPERIENCE

### SOFTWARE DEVELOPMENT TRAINING

2020 - 2021

Lexicon / Stockholm

Chosen after a thorough selection process to be part of a 6-month programming training. The course focuses on providing essential and modern programming skills by creating actual software products within a skilled developer team.

- Developed full-stack programs by using C# and JavaScript
- Created a modern responsive restaurant website which was ranked first in class.
- Designed web applications and embraced key UX UI concepts to enhance usability.
- Used the full power of GitHub to work within a multi-background team
- Applied OOP and MVC techniques to create powerful programs.

### DATA SCIENTIST & GEOPHYSICIST

2019 - 2020

Svenska Petroleum Exploration / London

Contracted by SPE to extract value from their complex data, provide foundation for their data-driven decisions, and train staff in visualization, storytelling, and data analysis. I have applied multiple machine learning techniques and boosted internal data competencies.

- Applied new machine learning and data analysis techniques to extract value from data
- Found new results previously unseen in old data analysis techniques.
- Influenced management to invest in Cameroon after the discovery of valuable results.
- Attracted new investment partners through clearer communication of results.
- Trained 3 staff members in data analysis, visualization, and storytelling with data.



## CONTACTS

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## EDUCATION

2015

**PhD IN GEOPHYSICS**

Sorbonne Université / Paris

2011

**MSc IN GEOSCIENCE**

University of Aberdeen / UK

## TRAINING

2020

**SFI SWEDISH COURSE D3**

Haninge Kommun

2015-2020

**ONLINE COURSES IN PYTHON,  
R & MACHINE LEARNING**

Columbia, Harvard and PennState  
Universities

# WORK EXPERIENCE

CONTINUED

2016 - 2018

## DATA ANALYST & PROJECT MANAGER

Petroleum Administration / Lebanon

Contracted by the Ministry of Energy to provide expert assistance in locating natural resources via data analysis and machine learning techniques. My work steered the national strategy for managing, developing, and regulating natural resource extraction in the country.

- Analyzed big data, created new algorithms, and produced 20+ data models.
- Used data results to recommend actions and policy plans to decision makers.
- Presented data results to high authorities via reports and oral presentations.
- Trained 10 staff members in data analysis, visualization, and storytelling with data.
- Established 4 research projects with European and local Universities.

2012 - 2015

## GEO-DATA ANALYST & RESEARCHER

IFP Energies Nouvelles / Paris

Three years contract with IFPEN in conjunction with my PhD focusing on research in geophysics. My work involved data collection, sorting, cleaning, exploration, modeling, interpretation of widely disparate and sparse data sets, visualization, presentation of results, and storytelling. I was also active with mentoring of students and communications.

- Analyzed large amount of data to support scientific research and managed databases.
- Published 30+ reports and scientific articles in international scientific journals.
- Communicated results in 8 international conferences via oral and poster presentations.
- Mentored 6+ students in data analysis, visualization, and interpretation of results.

# PROJECT EXAMPLE



Restaurant Website  
JavaScript/HTML



Warehouse Software  
C#



Iris species prediction  
K-mean classification



Finance calculator  
Python



Customer Segmentation  
K-mean clustering



E-commerce analysis  
QlikSense



Airbnb listing analysis  
QlikSense



## RÉMY GHALAYINI

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## EXPERTISE



C# / .net / Python /  
Javascript / R  
Html / CSS  
Databases / SQL  
Machine learning  
Software development



Project management  
Agile methods / Scrum  
Teamwork / Collaboration



Swedish  
English  
French  
Arabic



GITHUB  
*/rghalayini*



TWITTER  
*/r\_ghalayini*



LINKEDIN  
*/rghalayini*