

Florian Dargel

Data Scientist (Freelance)

 Florian.dargel@hotmail.com	 0621548565	 97430 Reunion Island	 Florian Dargel LinkedIn
 French	 Driver's license		

Skills

Languages: Python, R, SQL, NoSQL, html, css, php, Pyspark, MongoDB, Latex, Sas, Microsoft Office

Deep learning: Neural networks (convolutional, recurrent, transformers)

Machine learning: Linear/logistic regression, svm, cart, random forest, bagging, k-means, XGBoost

Packages python : Pandas, numpy, nltk, scikit-learn, keras, matplotlib, seaborn, beautiful soup, optuna, pycaret

Other : Linux, MLOps, GDPR, data security, project management

Langues : French (C2), english (B2), spanish (A1)

Projects on Github : https://github.com/florian534/Data_science

Experiences

Data Analyst | Internal Audit (VIE) –Indosuez wealth management (best private bank 2024 in Luxembourg by Global Finance) 01/2023 – 12/2023
Luxembourg

- Predict individual tax residence to detect tax fraud (K-nearest neighbor). More than 20 accounts were placed under surveillance by the Compliance Department
- Thoroughly verify the suitability of the investment strategy for the client's risk profile and the presence of mandatory documents for Private Equity subscribers
- OCR recognition to extract mandatory clauses from external contracts according to EBA and CSSF regulations
- Transcription of over 800 customer audio data into text using the VOSK model for sentiment analysis with the VADER model

Data Scientist (alternate training) – Matmut (insurance - head office) 09/2021 – 09/2022
Professional thesis: Studying and implementing interpretability methods in automobile pricing models France (Rouen)

- Data gathering from external sources (INSEE, ONISR) to enhance ML model performance
- Variable selection (correlation matrix, VIF, graph theory, PCA)
- Exclusion of rare extreme loss costs using extreme value theory
- Modeling (GLM, random forest, CART, LightGBM, neural network)
- Model interpretation (SHAP, PDP, ALE, LIME) to understand and anticipate the presence of claims
- Deploying the project on a DataOps platform (Saagie)

Data Scientist (internship contract) – Tereos (2nd world sugar group) 04/2019 - 08/2019
Reunion Island

- Collecting data from relevant measurements using a measuring device
- Multivariate data analysis (statistical tests, ANOVA, box plots, PCA)
- Data modeling using PLS regression resulted in determination coefficients (R2) of 0.82 for color and 0.69 for granularity

Développeur Web (internship contract) – Auto Maladie Prévoyance Assurance (microbusiness) 07/2016 - 08/2016
Reunion Island

- Création et mise en forme d'un site web (HTML/CSS/PHP)

Éducation

Advanced master's Data Science Expert 2021-2022
Engineering school INSA (The national institutes of science and technology)

Master's degree in probability and statistics of new data (M2) 2018-2019
Gustave Eiffel University (in partnership with École des Ponts ParisTech)

Master's degree mathematics and applications (M1) 2017-2018
Gustave Eiffel University

Bachelor's degree in mathematics + computer and internet certificate (c2i) 2014-2017
University of Reunion Island