JIBRIL FREJ

Ph.D. in Computer Science

Postdoctoral Researcher in Machine Learning Applied to Education

EXPERIENCE

Postdoctoral Researcher 2022–2024

ML4ED, EPFL, Lausanne, Switzerland

Explainable Job-Market Oriented Course Recommendation System.

Technologies: Python, Deep Learning, Recommender System, Reinforcement Learning

Postdoctoral Researcher 2021–2022

Inserm U1209-IAB, La Tronche, France

Using NLP, Graph Processing, and Information Retrieval for various applications in Bioinformatics.

Technologies: Python, R, BERT, GNN, Transformers, Deep Graph Library

Ph.D. 2017–2021

Université Grenoble Alpes, LIG, Saint-Martin-d'Hères, France

Incorporation of prior knowledge in Deep Learning models for Textual Information Retrieval.

Technologies: Python, Pytorch, fastText, BERT, BM25, UMLS, DBpedia, etc.

End-of-study internship Feb-Jul 2017

LIG, Saint-Martin-d'Hères, France

Study and implementation of Neural Language Models for Information Retrieval

Technologies: C++, word2vec, IR Language Models

Internship Apr-Aug 2016

Altatech sc, Montbonnot, France

Study and implementation of machine learning algorithms for default detection on silicon wafers images

Technologies: C++, SVM, vl-feat

EDUCATION

Ph.D. student 2017 - 2021

Université Grenoble Alpes

Incorporation of prior knowledge in Deep Learning models for Textual Information Retrieval.

Master Student 2015 - 2017

UGA - IM2AG

Master of Science in Industrial and Applied Mathematics

Bachelor Student 2014 - 2015

UJF - IM2AG

Bachelor of Mathematics and Computer Science

Engineering School Student 2011 - 2014

INSA Rouen

Mathematical engineering department