

Judicaël POUMAY

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Data scientist

About me

Curious, self-taught, passionate, and independent, I am a scientist at heart who seeks new challenges and problems to solve. I thrive on being efficient and organized in my work. I'm also a very sociable and easy-going guy who can easily fit in with most people. Apart from AI and Machine learning, my interests range from mathematics to psychology, astrophysics, philosophy, history, guitar, and craft beers.

Skills

I am a **french native speaker** and **advanced English speaker**. I have experience with **C, C++, Python, HTML/CSS, PHP, Javascript (PySpark, TensorFlow, Scikit-learn, Pandas, Keras, NLTK,...), R, MATLAB, LaTeX, and SQL**. I am also an experienced data scientist specializing in Natural Language Processing. During my Ph.D., I also had the chance to sharpen my public speaking skills through seminars, practical sessions, and theoretical lectures.

Experience

KPMG / Ph.D. thesis

September 2019 - June 2023, Liege

I worked on a Natural Language Processing project to develop a weak signal detection and tracking tool. Through the analysis of several hundred thousand documents, this tool was capable of extracting the underlying topics, sub-topics and events, tracking their evolution, and discovering correlations.

TheThoughtProcess.xyz / Personal project

Since 2019

I have my own blog where I publish articles about popular science and small literature reviews in both French and English.

EU Commission - DG FISMA / Student job & Master thesis

January 2019 - August 2019, Brussels

I worked on a Natural Language Processing project to develop a fast and precise automatic long-term extraction. It started as a student job and became my master thesis by the end.

Orange / Student job

January 2019 - April 2019, Liege

I worked on a Natural Language Processing project to analyze the evolution of job offers.

Indah / Volunteering

2016 - 2019, Liege

I developed and maintained the website indah.be, a nonprofit organization created by my sister focused on helping children and their education in third world countries.

Crazy square/ Personal project

2016, Liege

I published a small game for android phones and tablets. It's an addictive game that will test your reflexes and patience.

VOO / Student job

2016 - 2017, Liege

I worked for VOO for 100 days over 2 years. I was tasked with maintaining the intranet and developing a simulator for their TV box to help call center agents.

Education

Uliege / Ph.D. in Natural Language Processing

September 2019 - June 2023

Uliege / Master in data science

September 2017 - June 2019

Uliege / Bachelor in computer science

September 2014 - June 2017

Awards, Publications & Lectures

Using meaning instead of words to track topics (NLDB 2022)

A Comprehensive Comparison of Word Embeddings in Event & Entity Coreference Resolution (EMNLP 2021)

Winner of the RSSB 2021 mini hackathon

HTMOT: Hierarchical Topic Modelling Over Time (ArXiv)

Lectures : "Introduction à WordPress"

Lectures : "Introduction au Language models et Word Embeddings contextuel"

Lectures : "Introduction au Topic Models"

Lectures : "Introduction à MongoDB"

Lectures : "Sales analytics Part I"