

BAPTISTE DOYEN

Machine Learning Engineer / Data Scientist

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Paris, France



EXPERIENCE

AI/ML Engineer

Zelros (zelros.com - github.com/zelros)

09/2022 - Present Paris, France

Zelros **B2B InsurTech** platform is a pioneering tool in helping insurers to automate their data management, marketing and customer engagement

- Worked on the **Documents2Insights** tool to automate legal **documents** review during insurance subscriptions (newer models using **Azure Document AI**, lighter pipelines and revamped **Python** code)
- Participated to the pre-sales and post-sales customer effort
- Participated to core technology **explorations** (faster homemade **OCR**, **Collaborative filtering** as a **RecSys** and **LLMs** for document processing)

ML Engineer / Data Scientist

National Bank of France

07/2020 - 07/2022 Paris, France

Member of the **InnovIA** Team, dedicated to bring latest AI innovations

- Worked on several projects for internal customers : automated Legal **Document** understanding, **Cyberattacks** detection, **Bank Notes** inspection and Satellite Images **segmentation**
- Developed research projects on **Text Generation** methods for **NER** datasets and **Zero-Shot** models fine-tuning - [model card](#)
- Participated to foster **innovation culture** throughout the organisation by presenting internal work during **seminars** and **conferences** at IBFI, European Working Group and French-German AI Summer School - [slides](#)

Research Engineer in Deep Learning

Therapixel (therapixel.com)

04/2019 - 10/2019 Paris (Cochin Hospital), France

Research internship in a **AI MedTech startup** for **breast cancer screening**

- Created from scratch **Deep Learning** modules with TensorFlow v1 for Breast Semantic **Segmentation** and Image **Filtering**
- Reached performance comparable to **state-of-the art methods** - [slides](#)
- Implemented an hybrid Human/Machine **data annotation tool** and process

Data Scientist

Fortunéo (fortuneo.fr)

05/2017 - 09/2017 Puteaux, France

End of bachelor internship in the third largest **online bank** offer in France (ca. 300k customers)

- Improved **scoring models** performances by up to **15%**
- Created new **up-sell scoring** model for life-insurance customers
- Implemented **reusable functions** for future scoring models

EDUCATION

MSc in Applied Mathematics

CentraleSupélec & ENS Paris-Saclay Master MVA

09/2018 - 10/2019 Paris, France

BSc in Systems Engineering

CentraleSupélec (2y) + Preparatory Classes (3y)

09/2012 - 05/2017 Paris, London and Helsinki

TEACHING

Data Science/Analysis Essentials - Jedha Bootcamp (jedha.co)

Course given to **newcomers** from **various** professional **backgrounds**, providing them the **fundamental tools** to start a career in the **Data Science & Analysis** domain (**duration** : 2 months - 2022)

Introduction to Big Data - ESME Sudria Engineering school

Master 1 course given to students in the **financial engineering** track (**duration** : 1 semester - 2022 spring)

TECH SKILLS

Python

TensorFlow

PyTorch

transformers (HuggingFace)

scikit-learn

OpenCV

Docker

GitHub

Azure

GCP

SQL

LANGUAGES

French

Native



English

Proficient

TOEFL ITP score: 610



German

Intermediate



Thai

Sparse notions (one year in middle school)



INTERESTS & SPORTS



Travels, Geography and Aviation



Running & Tennis Table