julien wiesel

machine learning engineer - 16 years of experience

French, born 6/30/1982

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languages
French ■■■■
English ■■■□
German ■■□□
Japanese ■□□□

tech
machine learning
Tensorflow, Scikit-learn,
Keras, XgBoost,
Spark, SciPy

dev
Python, Scala, SQL,
Java, Javascript

ops
Airflow, Docker,
Kubernetes, Luigi,
Google Cloud Platform,
Amazon Web Services

interests
scuba diving, game of go,
saxophone player

I deliver machine learning projects to enhance performance & generate new business. My dual tech/business profile allows me to adopt a generalist approach to machine learning cases, covering both business and technical issues. I regularly lead training sessions on machine learning topics, for both technical and non-technical audiences.

projects

2018 - 2021 **Monoprix Online** (freelance)

Delivery of various machine learning products for algorithmic marketing (identification of business opportunities, data science, development, integration into production):

- ▸ Recommendation engines (shoes → textile, product → complete look)
- ▸ SEA bidding optimization : prediction of revenue & margin from SEA traffic
- ▸ Improvement of dynamic pricing through the prediction of stock clearance
- ▸ Prediction of product returns from customers
- ▸ Led several training sessions about big data & machine learning

tech: Python, Scikit-learn, XgBoost, Kubernetes, Airflow, BigQuery

2018 **EDF Energies Nouvelles** (freelance)

Assessment of an IoT datalake built with AWS components:

- ▸ Benchmark of storage / analytics cloud architectures
- ▸ Benchmark of public cloud services for IoT datalakes
- ▸ Best-practices regarding S3 storage, migration & reversibility

tech: Amazon Web Services, Google Cloud Platform, Microsoft Azure

2017 - 2018 **Thales** (freelance)

- ▸ Use of NLP algorithms to reduce IT support costs by detecting related & recurrent user-reported incidents from ticketing tools
- ▸ Built a SaaS tool to interactively create & explore ticket clusters
- ▸ Result: ~26% reduction in maintenance costs on the project scope

tech: Python, Scikit-learn, Javascript, React

2016 **Thales** (Capgemini Invent)

- ▸ Design of the 2020 IT performance plan on all dimensions: applications, infrastructure, workplace, cloud, organisation, & digital transformation
- ▸ Led a team of 3 consultants + multiple experts on specific topics

2016 **L'Oréal** (Capgemini Invent)

EMEA datacenter strategy: estimation of datacenter workload in 2020 taking into account cloud migration, analysis of different scenarios (technology, sourcing, optimization), B-Case.

2015 - 2016 **French IT infrastructure Leader** (Capgemini Invent)

Transformation of the organization (from regional BU to country service lines):

- ▸ Design of the new go-to-market (new offers portfolio, salesforce organization, incentives, communication)
- ▸ Transformation of the delivery model (service centers, global vs. local assets)
- ▸ Led a team of 4 consultants

2013 - 2014 **Caisse nationale de l'Assurance Maladie** (Capgemini Invent)

Transformation of IT operations (assessment, target definition, program management):

- ▸ Specialization of 10 IT operation centers
- ▸ Consolidation of the infrastructure into 2 datacenters
- ▸ Reinforcement of IT supervision
- ▸ Implementation of ITIL-based processes (incidents, problems, changes)

2011 - 2013 **Pôle emploi** (Capgemini Invent)

- ▸ Design & implementation of a new 50-people organization focused on the deployment of all IT projects, targeting about 50 000 end-users (activities, workflow, change management, training, global vs. local activities)
- ▸ Led a team of 4 consultants

2009 - 2010 **Humanis** (Capgemini Invent)

Design & implementation of a new organization for the program management of a 150 000 man-days project, consisting in unifying the IT of several funds (coaching, governance, HR, tools).

2009 **Banque Populaire** (Capgemini Invent)

Centralization & professionalization of IT project ownership, which was historically decentralized at local level.

2007 - 2008 **Unédic** (Capgemini Invent)

Strategic support to prepare the merger between Unédic et ANPE, which created Pôle emploi (the French unemployment agency):

- ▸ Definition of the target service portfolio
- ▸ Geographical optimization of the network of sites (usage of GIS & geo-marketing algorithms)

2005 - 2007 **EDF** (Capgemini Invent)

IT architecture & reorganization of the financial IT pan, in order to support the business transformation related to the opening of the french electricity market.

education

2002 - 2005 **Mines ParisTech** (former Ecole des Mines de Paris)

Engineer's degree, Science & Executive Engineering

Minor: "Vision & Mathematical Morphology"