

Antoine Champion

Data Scientist

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Languages: English, French

Key skills

Lead or conduct data science projects
Provisioning data projects into production pipelines
Requirements synthesis and specification writing

Programming Languages

Python • R • C# • C/C++ • JS

Data Science

Pandas • Dplyr • Spark

Cloud

Azure • AlibabaCloud • AWS

Machine learning

Tensorflow • Keras • CoreML • Docker • Terraform •
ML.NET • OR-Tools

Provisioning

Kubernetes • Github Actions

Shells

Bash, Powershell

OS

Linux Debian, Slackware
Windows Server (Core)

Web

ASP.NET/IIS, Apache

Experience

Digigladd - Associate

Feb. 2020 - Now, Paris 8, France

By successfully leading important missions that brought new key accounts for the company, I was offered shares of the consulting firm as a reward.
I also helped providing an expertise to many inside projects that helped to define the future objectives of the company.

Digigladd - Data Scientist

Aug. 2019 - Now, Paris 8, France

I realized many missions related to data science and cloud computing:

- Conducting **research, conception and deployment** of multiple machine learning and deep learning models targeting computer vision and data scrapping : transfer learning from VGGNet, ResNet ; LSTM, HMM.
- Brought the results of innovation research in machine learning into **production environments** by creating CI/CD pipelines, **provisioning** big data models into batch computing units and building serverless API gateways on top of them in Azure.
- **Exposed models results** to an end-user interface in a web cluster with ASP.NET Core.

A&M Junior Enterprise - Data Scientist

Nov. 2018 - Jun. 2019, Lille, France

A&MJE Lille is a local organization entirely executed by students, to offer consulting services to the market.

- Solved a constraint satisfactory problem using **Google OR-Tools** framework in C#.
- Used **ML.NET** to solve a vehicles matching problem.

CRAN - Open-source developer

Aug. 2016 - Sep. 2018

I created an extension to the **R** programming language. It was included into the official language repository.

- Implemented pattern matching and nullable types in R.
- Deployed **unit tests**.
- Documented heavily and maintained the package for 2 years.

Education

Academics

2020 • MSc in general engineering

Arts et Métiers ParisTech, Paris/Lille

2017 • Selective undergraduate courses in Mathematics and Physics

Classes préparatoires PTSI/PT*, Lycée Jules Ferry, Versailles

2015 • High School diploma, Bac S

Lycée Georges Cabanis, Brive-la-Gaillarde

Certificates

2018 • Machine Learning, Stanford University

2018 • Neural Networks and Deep Learning, Stanford University

2018 • Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, Stanford University

2018 • Convolutional Neural Networks, Stanford University

2018 • Structuring Machine Learning Projects, Stanford University

2018 • Sequence Models, Stanford University

Personal

Hobbies

Travels in unusual countries, diplomacy, sciences, technology watch, music theory and production

Personal projects

- I realized a proof of concept aiming to generate highly metamorphic assembly code using a machine learning approach.
- I went for two months to Hai Phong, Vietnam, in order to teach french to vietnamese children (summer 2019).
- I made several mobile applications targeting WinRT/UWP (Windows Phone), including a forex market watch, several online magazine scrappers, and Android/iOS video games replicas (during early High School).