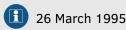
Alexandre ZOUAOUI











Languages –

French Monther tongue

English
Fluent, C1
115 out of 120 TOEFL iBT

German Good, B2 Goethe-Institut Certification

Interests -

Triathlon

Machine Learning

Python

Linux

Energy

PhD Candidate

October 2020

Education

2018-2019 Master 2 MVA (Mathématiques, Vision, Apprentissage)

ENS Cachan

Data: Object Recognition and Computer Vision, Image processing, Biostatistics

Learning: Reinforcement L, (Advanced) Deep L., Mathematical Foundations of Data Science, Proba-

bilistic Graphical Models, Kernel Methods, Distributed Optimization

2015-2019 Master in Computer Science Engineering

Télécom ParisTech

Data Science: Advanced Statistics, Machine Learning, Optimization, Databases
Networks: Mobile telecommunication systems, TCP/IP stack, Graph theory, Information theory,

Queues theory

2013-2015 Preparation of Entrance Exam

Lycée Sainte-Geneviève

Maths and Physics major

2010-2013 Highschool

Lycée Saint-Michel (Saint-Étienne)

Scientific Baccalaureate: 18.8/20

Work Experience

2020 (9 mths.) Research Engineer at INRIA Thoth

Grenoble

System Administrator on Thoth resource cluster.

Research: Project on Deep Sparse Coding Models for Image Classification.

[Internships]

2019 (4 mths.) Computer Vision Intern at Naver Labs Europe

Grenoble

Developed an attribute prediction model on urban outdoor scenes that handles multiple store fronts using a *listwise* ranking approach coupled with a semantic

segmentation loss. ICCV19 reviewer.

2018 (3 mths.) Machine Learning Intern at Uizard Technologies

Copenhagen

Developed and deployed an image upload filter model Designed performance tests on the entire processing pipeline Research: Multi-Objective Learning applied to Object Recognition

2017 (6 mths.) Data Scientist Intern at STMicroelectronics

Singapore

Improved supply chain indicators using Machine Learning: data pipeline, benchmarking, prototyping, monitoring and deployment in an international culture

Student Projects

2018-2019 Run the Neural Baby Talk approach to image captioning on the UnRel dataset in

Object Recognition and Computer Vision

2018-2019 Implementation of the *ranVGG* method for Random Weights Texture Synthesis

in Image processing

2018-2019 Review on the Alternating Descent Conditional Gradient method in Mathematical

Foundations of Data Science

2018-2019 Review on curiosity-driven exploration in Reinforcement Learning 2017 Explore Reddit *subreddits* structure using Graph Theory tools

2016 Machine Learning research paper implementation:

Classification models transfer method based on Kolmogorov's complexity

2015 Mini-services Android application prototype (food rating and events)

2015 WordPress blog on the engineer past and future roles

Skills

Development Python and Linux savvy user

Libraries: PyTorch, scikit-learn, keras, pandas, altair, networkX

Machine Learning practice: Job interviews and Kaggle data challenges

Personal use: diet, weather, finance and pollution monitoring

Management Project management tools

Git, Github, Amazon Web Services, LATEX