

# Sasha Keskin

## Work experience

**Python Developer** Michelin Clermont-Ferrand, France / Since February 2022

- Development of an API that allows users to create workflows with their business language to be able to compute characteristics of michelin tire : simulation, tire test, exploitation of tire and material measurements (calculate the environmental impact of a tire from the basic materials to the consumption costs, ..)
- Development of a calculation submission engine for this API.
- Follow-up of the user experience on the business of life cycle calculation the ecological footprint of a michelin tire.

**Data Scientist Mentor** OpenClassrooms Saint-Etienne / Since December 2021

- Training and support for students following the Data Scientist / Data Analyst OpenClassrooms courses.
- Evaluation of project defenses.

**Data science manager and data scientist** Cleverdoc Lille / Since June 2020

- I am managing a team of 2 data scientists and 1 software developer.
- I contribute to training modules concerning machine learning and our platform contribute to training modules concerning machine learning for customers.
- Contribution on autoML solutions to make easier process of creating, using and optimizing an ML pipeline for beginner and expert customers.

**Data scientist** Cleverdoc Lille, France / Since January 2020

Working at cleverdoc, a company that develops an AI platform to enhance medical data, I contribute to:

- the development of a "tensorflow-like" library which is reusable and maintainable, which permits to do machine learning pipelines in backend of Cleverdoc application.
- the development and test of a large panel of algorithms in order to correlate medical features and do radiomics.

**People tracking with Time-of-Flight camera** Square Sense Paris, France / From February 2019 to July 2019

People tracking with Time-of-Flight cameras.

- Implemented data collection algorithm connected to GCP with docker
- Implemented point cloud people detector
- Implemented online Multi-Object Tracker
- Comparing metrics on people-detection with multi-object tracker with RGB vs depth sensors.

**Research Internship on Probabilistic Latent Sequential Motifs** Hubert Curien Laboratory Saint-Etienne / From April 2018 to June 2018

Temporal topic modeling with probabilistic programming languages.

Comparison of efficiency of different probabilistic programming frameworks (Pyro, Edward) on inferring parameters of the PLSM bayesian model (which is a time sensitive evolution of PLSA, useful in activity analysis such as traffic junction videos

<https://www.idiap.ch/~odobez/publications/VaradarajanEmonetOdobez-BMVC-2010.pdf> )



✉ keskin.sasha@gmail.com

📅 Date of birth 21/08/1993

🚗 Driving licence (F)

🚗 Personal vehicle

📞 +33782425371

## Languages

**French** First native language

**Turkish** Second native language

**English** Fluent (master and end-of-year internship done in english)

## Computer skills

**Python** frameworks: pytorch, tensorflow, numpy, scikit-learn, opencv

**Cython**

**C++** frameworks: opencv, ceres-solver

**Gitlab, Docker, Docker-Compose**

**MongoDB, redis, SQL**

## Interests

**Reading** Jean-Philippe Jaworski, Boris Vian, Franz Kafka.. and many others

**Luta Livre** A kind of Brazilian Jiu Jitsu, but without the "Gi"..

**MBTI** Typed INFJ by my previous collaborators, "believing" quite strongly in this personality model, I always try to understand other needs in order to have good collaboration and qualitative exchanges

## *Education*

**Bachelor of mathematics (computer science option)** *Jean Monnet University*  
Saint-Etienne / From September 2014 to June 2017

Markov chains, Stochastic process, Statistical laws

Maximum likelihood estimation, Regression

Confidence interval and hypothesis testing of the Gaussian model

Ranks : 2<sup>nd</sup>/41(3<sup>rd</sup> year), 5<sup>th</sup>/31(2<sup>nd</sup> year), 11<sup>th</sup>/122(1<sup>st</sup> year)

## *Education*

**Master Machine Learning and Data Mining** *Jean Monnet University* Saint-Etienne / From September 2017 to January 2019

Supervised learning, Unsupervised learning, Neural Networks, Dimensionality reduction, Structured predictions, Itemset mining,

Optimization and Operational Research

 @keskinm



@mustafa-keskin-  
1a0a37170