

# MARIUS BARTCUS

DATA SCIENTIST : ARTIFICIAL INTELLIGENCE & MACHINE LEARNING



## ABOUT ME :

Data Scientist with a *software engineer* background and a master degree in *Data mining and exploration*. DSc. In Computer Science of Toulon University (Statistical machine learning). Currently a Data Scientist: Artificial Intelligence Engineer student.

06 30 20 23 73

mbartcus@gmail.com

Marius Bartcus

mbartcus

mbartcus.me

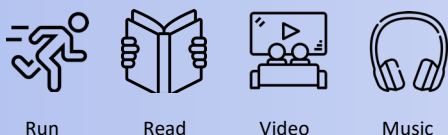
## DIGITAL CV :

mbartcus.me/cv/

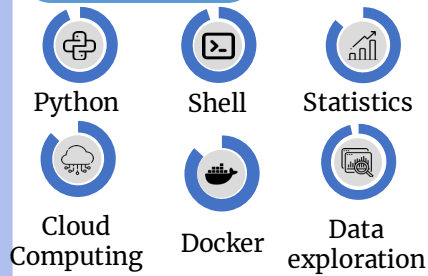
## LANGUAGES :

French	●	●	●	●	○
English	●	●	●	●	○
Romanian	●	●	●	●	○
Russe	●	●	●	●	○

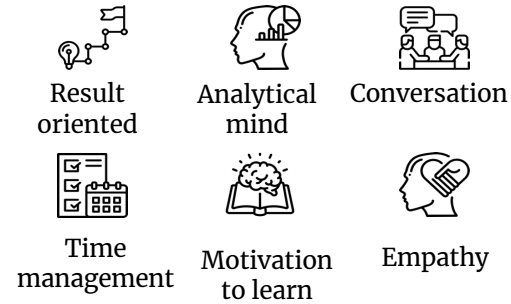
## HOBIES :



## HARD SKILLS



## SOFT SKILLS



## CURRENT ACTIVITY

April 2022 –  
OPEN CLASSROOM

### Engineer Artificial Intelligence

- 11 projects : Data Analysis and Exploration, Data pre-processing, Supervised/Non-supervised modeling, Deep Learning, NLP, Cloud Computing, Visualization, Model Deployment.
- Versioning with git
- Writing rapports & presentations

## EXPERIENCE

2020 – 2022  
CENTRE LÉON BERARD & INSA LYON



Postdoc : **Automatic segmentation** of 3D lung nodules through **deep learning**.

- Modeling using python (PyTorch), **UNET**
- Gathering public & personal image data
- **Data preprocessing** cleaning & augmentation techniques
- Versioning with git
- **Deployment** with docker
- **Reporting & data visualization**

2018 – 2020  
CAEN UNIVERSITY



Postdoc : **Unsupervised classification** of **high dimensional data**

- Latent variable models / mixture models
- Prototype unsupervised models using R & Python
- Deployment of R packages on CRAN
- Reporting & data visualization
- Versioning with git
- Teaching statistics lessons
- Web integration & presenting results

2017 – 2018  
ORANGE LABS



Engineer R&D : **Co-clustering** of **large data**

- Develop the model in Python
- Reporting & data visualization
- Versioning with git
- Writing rapports & articles

2015 – 2017  
TOULON UNIVERSITY



PostDoc Researcher : **Signal segmentation** with **Bayesian non-parametric parsimonious mixture model**

- Decompose & recognize signals into song units
- Creating rapports
- Create experimentations (bash, python, matlab)
- Versioning with git
- Writing rapports & articles

## EDUCATION

Ph.D. In Computer Science (Bac+8), 2012-2015  
University of Toulon France

Master 2 in Computer Science (Bac+5), 2012  
University Paris 13

License Engineer IT, 2010  
Technical University of Moldova

BAC in Engineering, 2006  
Technical University of Moldova