

# BARTCUS MARIUS



## DATA SCIENTIST: AI&ML

### CONTACT



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[Marius Bartcus](#)

### EDUCATION

#### PH.D. (BAC+8) - COMPUTER SCIENCE

University of Toulon France ( 2012-2015 )

Bayesian non-parametric  
parsimonious mixtures for model-  
based clustering

#### MASTER (BAC+5) - COMPUTER SCIENCE

Université Paris 13 ( 2011 - 2012 )

#### LICENSE (BAC+4) - INFORMATICS

Technical University of Moldova  
( 2004 - 2010 )

### HARD SKILL

Programming: Python, Shell, etc.

Data Exploration: Cleaning, Visualizing

Modeling: Supervised/Nonsupervised  
Learning

Cloud Computing: Deploying

### SOFT SKILL

Result oriented

Analytical mind

Conversation

Time management

Motivation to learn

Empathy

### LANGUAGES

Franch

English

Russian

Romanian



### HOBIES



Run



Read



Music



Video



### ABOUT ME

Data Scientist with a software engineer background and a master's degree in [Data mining and exploration](#). DSc. In Computer Science at Toulon University ([Statistical machine learning](#)). Currently, an AI Engineer student at Open Classrooms.

### WORK EXPERIENCE



#### AI ENGINEER (2020 - 2022)

CENTRE LÉON BERARD & INSA LYON

Automatic segmentation of 3D lung nodules through deep learning.

- › Data collection on public and private images
- › Preprocessing of data: cleaning and augmentation
- › Supervised Modeling UNET and its variants with Python
- › Docker image creation and deployment
- › Data visualization
- › Reports and presentations

›git



#### AI ENGINEER (2018 - 2020)

CAEN UNIVERSITY

Unsupervised classification of high dimensional data

- › Latent variable models and mixture models
- › Prototype unsupervised models using R & Python
- › Deployment of R packages on CRAN
- › Data visualization
- › Reports and presentations / web integration

›git



#### R&D ENGINEER (2017 - 2018)

ORANGE LABS

Co-clustering of large dataset

- › Data collection and data preprocessing
- › Develop & optimize a co-clustering model using Python
- › Reports and presentations, articles
- › Data visualization

›git



#### POSTDOC FELLOW (2015 - 2017)

TOULON UNIVERSITY

Signal segmentation with Bayesian non-parametric parsimonious mixture models

- › Decompose & recognize signals into song units
- › Reports and presentations, articles

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