

# Belhal Karimi

"ALL DIFFERENT, ALL EQUAL"

58 rue Greneta, 75002 Paris, France

06 50 98 78 45 | [belhal.karimi@gmail.com](mailto:belhal.karimi@gmail.com) | [belhalk.github.io](https://belhalk.github.io) | [BelhalK](#) | [belhal](#)

## Education

### Ecole Polytechnique, CMAP

PHD IN MACHINE LEARNING

Paris, France

Oct. 2016 - Present

- Optimisation and Acceleration of training algorithms for large datasets
- Under the supervision of Eric Moulines and Marc Lavielle

### MINES ParisTech, PSL

MASTER OF SCIENCE

Paris, FR

Sep. 2015 - June 2016

- Main courses: Medical Scans Processing, Computer vision, Optimization, Brain and Cognitive Sciences and Machine Learning

### CentraleSupélec, Supélec track

ENG. DEGREE

Paris, France

Sep. 2011 - June 2015

- Semester at ESCP Europe: Master in Management. London Campus
- 3rd year at Telecom ParisTech, Master IREN: Economics and Innovation

## Skills

**Programming Languages** Python (TF, Keras, Scikit-Learn), R (Package saemix), Stan, Matlab, SQL, LaTeX, Django, Javascript, HTML5, CSS  
French, English, Spanish, Persian

## Experience

### Freelance consultant

DEEP LEARNING CONSULTANT

Paris, FR

Sept. 2017 - Present

- Popsy (classifieds): Category and Price prediction based on listing images (using a multi-output multi-class VGGNet)
- OuiCar (P2P car sharing): Damages detection on car pictures (using a R-CNN)

### Bill & Melinda Gates Foundation

DATA SCIENTIST

Boston, USA

Feb. 2016 - Apr. 2016

- Applying Bayesian Statistics to enable domain experts that lack statistical expertise to perform qualitative model checking and encode simple forms of qualitative prior knowledge

### Massachusetts Institute of Technology, MIT

RESEARCH SCIENTIST

Boston, USA

Jan. 2016 - Jul. 2016

- Machine Learning research, Brain and Cognitive Sciences department, ProbComp Lab. Working on MCMC methods and diagnostic tools.

### Avolta Partners

M&A ANALYST

Paris, FR

Mar. 2015 - Sep. 2015

- Writing of Information Memorandum and Business Plan for high-tech startups (A and B series)
- Analysis on fundraising data in France (Time-to-next series, average first series amount)

### Rocket Internet

GLOBAL VENTURE DEVELOPER

Paris, FR

Feb. 2014 - Aug. 2014

- Launching Lamudi/Carmudi in 20+ African countries
- Expansion team, helping Business Intelligence team with performance reports

## Extracurricular Activity

**Entrepreneurship** Agora: Detecting flaws at scale on images. <http://get-agora.com/>

**Sports** Surf, Skateboard, Basket-ball, Soccer

**Fun** Fashion (needlepoint), Piano, Reading (Sociology)