

Mohamed BOUAZIZ

PhD, Data Scientist
NLP & Machine Learning

28 years

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Education

- 2014 – 2017 PhD in Computer Science** (CIFRE industrial research agreement), Université d'Avignon, France:
Recurrent Neural Networks for multi-stream sequence classification
- 2011 – 2013 Master in Computer Science**, Le Mans Université, France:
- Speech and Natural Language Processing
 - Data mining
- 2008 – 2011 Bachelor of Computer Science**, University of Sfax, Tunisia

Professional Experience

- Since Apr. 2018 R&D Engineer** at Airbus Defense and Space, Elancourt, France
- Built, analyzed, and documented a Speech Processing tool for noisy data
 - Developed a Call Sign extraction system from noisy text
- Nov. 2013 – Dec. 2017 Research assistant** at EDD, Paris, France
- Deployed and maintained an Automatic Speech Recognition system for TV stream data
 - Upgraded the speech engine in order to periodically include new out-of-vocabulary words
 - Built multimedia processing systems for TV genre classification and telecast structuring
- Jan. – June 2013 Trainee** at LIUM, le Mans, France
- Augmented the lab's Automatic Speech Recognition system with a subword-based model for out-of-vocabulary words recognition

Skills

- Modeling** Machine Learning (classification, regression, clustering, structuring), acoustic and language modeling, dimensionality reduction
- Prog. Lang.** Python, bash, Java, C++, SQL
- Tools** Kaldi, Mozilla DeepSpeech, TensorFlow, Keras, Scikit-Learn, pandas, NumPy, SciPy, git
- OS** Linux, Windows

Communication Skills

- 2017** Oral presentations of my PhD contributions, Université d'Avignon, France
- 2016** 2 Posters at Spoken Language Technology workshop, California, USA
- 2016** 2 Posters at JEP conference, Paris, France
- 2015** Oral presentation at the Artificial Intelligence & Information Retrieval thematic day, Paris, France

Languages

- Arabic** Native
- French** Fluent
- English** Advanced
- TOEIC: 930/990 (2013)
 - Academic IELTS: 6.5/9 (2011)