



DEKHTIAR Jonathan

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Objective : Research Engineer in Computer Vision, Data Science, Machine and Deep Learning applications.

ACADEMIC

PHD IN DEEP LEARNING AND COMPUTER VISION

UNIVERSITY OF TECHNOLOGY OF COMPIEGNE

Oct. 2015 – Expected End: Nov. 2018 | Compiègne, France

COMPUTER SCIENCE AND DATA SCIENCE ENGINEER

UNIVERSITY OF TECHNOLOGY OF COMPIEGNE

September 2010 – July 2015 | Compiègne, France

ERASMUS IN COMPUTER SCIENCE, DATA MINING

TECHNISCHE UNIVERSITÄT HAMBURG-HARBURG

April 2014 – July 2014 | Hamburg, Germany

ERASMUS IN COMPUTER SCIENCE, ALGORITHMIC

TECHNISCHE UNIVERSITÄT WIEN

February 2012 – June 2012 | Vienna, Austria

EXPERIENCES

UTC | PHD IN DEEP LEARNING AND COMPUTER VISION

Oct. 2015 – Expected End: Nov. 2018 | Compiègne, France

- Deep Learning (CNN) with Tensorflow, Keras and Caffe libraries to classify and segment industrial mechanical parts and assemblies.
- Edit of the CNN GoogLeNet algorithm to perform 3D Convolutions in order to analyse mechanical CAD Designs.

DELTACAD | C++/PYTHON DEVELOPER & DATA ANALYST

February 2015 – July 2015 | Lacroix Saint-Ouen, France

- Application development in C++ to perform mechanical parts recognition using OpenCV (C++) and Scikit-learn (Python).
- Benchmark (speed and accuracy) of different supervised learning models (KNN, SVM, Decision Trees, ...).
- Web API Development with Django on the AWS Cloud (Amazon).

VALEO | INTERN - BUSINESS AUTOMATION ANALYST

September 2013 – February 2014 | Annemasse, France

- Decision Support system development to detect incoherent or redundant textual data in the ERP (SAP) with text-mining.
- Text-Mining and Statistical Analysis to detect user-inputs similarity.

PUBLICATIONS

J. Dekhtiar, A. Durupt, D. Kiritsis, M. Bricogne, H. Rowson, and B. Eynard. Toward an extensive data integration to address reverse engineering issues. 2016. doi: 10.1007/978-3-319-54660-5_43.

J. Dekhtiar, A. Durupt, D. Kiritsis, M. Bricogne, H. Rowson, and B. Eynard. Machine learning techniques to address classification issues in reverse engineering. 2017. doi: 10.1007/978-3-319-45781-9_83.

ACTIVITIES & LEISURE TIME

2017	Data Venture	Machine Learning Instructor
2014 - 2015	TEDxCompiègne	President Founder of TEDx Talks at UTC

ADDITIONAL COURSES

- Stanford CS224d MooC: Deep Learning for Natural Language Processing
- Stanford CS231n MooC: Convolutional Neural Networks for Visual Recognition
- Google MooC: Deep Learning & Tensorflow

PERSONAL PROJECTS

- Curation Platform and scientific watch with recommender system: feedcrunch.io
- Technical Blog: Posts and Workshops about Machine Learning: born2data.com

COMPETENCES

PROGRAMMING

- Python • C++ • Scikit-Learn • Tensorflow
- Keras • Bokeh • Caffe • OpenCV • Django
- Hadoop • Spark • Oracle • PostgreSQL

Familiar with:

- R • Theano • Transfer Learning • Docker
- Security • Networks • SAP • VBA

LANGUAGES

- **English** : Fluent (Written / Read / Spoken)
- **TOEIC** : 975/990 (obtained in 2014)
- **German** : Correct (Written / Read / Spoken)
- **French** : Native Speaker

LINKS

- Website: JonathanDekhtiar.eu
- Github: [DEKHTIARJonathan](https://github.com/DEKHTIARJonathan)
- LinkedIn: [Jonathan DEKHTIAR](https://www.linkedin.com/in/JonathanDEKHTIAR)
- Twitter: [@Born2Data](https://twitter.com/Born2Data)
- Technical Blog: born2data.com
- ResearchGate: [Jonathan DEKHTIAR](https://www.researchgate.net/profile/Jonathan-DEKHTIAR)
- Google Scholar: [Jonathan DEKHTIAR](https://scholar.google.com/citations?user=JonathanDEKHTIAR)
- RSS Feed: feedcrunch.io/@dataradar
- Photography: ruskistudio.com