



DEKHTIAR Jonathan

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

ACADEMIC

UNIVERSITÉ DE TECHNOLOGIE DE COMPIÈGNE

PHD STUDENT IN DEEP LEARNING AND COMPUTER VISION

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

UNIVERSITY OF TECHNOLOGY OF COMPIÈGNE

COMPUTER SCIENCE ENGINEER, SPECIALIZED IN DATA SCIENCE

September 2010 – July 2015 | Compiègne, France

TECHNISCHE UNIVERSITÄT HAMBURG-HARBURG

ERASMUS SEMESTER IN COMPUTER SCIENCE, DATA MINING

April 2014 – July 2014 | Hamburg, Germany

TECHNISCHE UNIVERSITÄT WIEN

ERASMUS SEMESTER IN COMPUTER SCIENCE, ALGORITHMIC

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 | DEVELOPPEUR C++/PYTHON & DATA ANALYST

Février 2015 – Juillet 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

Septembre 2013 – Février 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.

ENGAGEMENT ASSOCIATIF & LOISIRS

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

COURSES FOLLOWED

- Stanford CS224d MooC: Deep Learning for Natural Language Processing
- Stanford CS231n MooC: Convolutional Neural Networks for Visual Recognition
- Google MooC: Deep Learning & Tensorflow
- Decision Theory and Machine Learning
- Object Oriented Design (C++ & Qt)
- Automatic Treatment of Information
- Statistical Methods for Engineers
- Architecture of Data Base Systems
- Network and Application Security
- Modelling in Random Phenomena
- Exploratory Data Analysis
- Combinatory Optimisation
- Operational Research

PERSONAL PROJECTS

- Curation Platform and scientific watch with recommender system: **feedcrunch.io**
- Technical Blog: Articles et Workshop about Machine Learning: **born2data.com**

COMPETENCES

PROGRAMMING

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

Familier avec:

- 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**
- LinkedIn: **Jonathan DEKHTIAR**
- Twitter: **@Born2Data**
- Technical Blog: **born2data.com**
- ResearchGate: **Jonathan DEKHTIAR**
- Google Scholar: **Jonathan DEKHTIAR**
- RSS Feed: **feedcrunch.io/@dataradar**
- Photography: **ruskistudio.com**