



DEKHTIAR Jonathan

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Objective : PhD in Data Analysis, Computer Vision, Machine Learning and Mechanical Reverse Engineering.

ACADEMIC

UNIVERSITÉ DE TECHNOLOGIE DE COMPIÈGNE

PHD STUDENT IN MECHANICAL REVERSE ENGINEERING

Octobre 2015 – Present | Compiègne, France

UNIVERSITY OF TECHNOLOGY OF COMPIÈGNE

ENGINEER IN COMPUTER SCIENCE, SPECIALIZED IN DATA MINING

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

DELTACAD | C++ DEVELOPPER, R&D PROJECT.

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

- Participation in METIS Research Project.
- I designed and developed a "data oriented" solution to execute shape analysis and recognition tasks.
- Benchmark of the major supervised machine learning algorithms (KNN, SVM, Decision Trees, ...).
- The inference engine is powered by Machine Learning algorithms and boosting techniques.
- The tool is developed in C++ and is exposed via a Web API developed in Python.

VALEO | INTERN - BUSINESS AUTOMATION ANALYST

September 2013 – February 2014 | Annemasse, France

- Development of applications on the Cloud Platform "Cordys Process Factory" using a DTAP Workflow (Development, Testing, Acceptance and Production).
- Creation of data cleaning tool for the customer data in the ERP (SAP System) with a view to doing a system upgrade. Statistical Analysis using partly the Ratcliff & Obershelp algorithm for string similarity detection. Tool developed in VBA within Excel.

ACTIVITIES & LEISURE TIME

2014 - 2015	TEDxCompiegne	President Founder of TEDx Talks at UTC
2012 - 2014	Salsa	Followed courses for 2 years

COURSES TAKEN

- Object Oriented Design (C++ & Qt)
- Artificial Intelligence : Representation
- Operational Research
- Combinatory Optimisation
- Modelling in Random Phenomena
- Statistical Methods for Engineers
- Decision Theory and Machine Learning
- Automatic Treatment of Information
- Architecture of Data Base Systems
- Machine Learning and Data Mining
- Network and Application Security
- IT Security Risk Management

PROJECTS

- Open-Knowledge Platform dedicated to Data Science: [link](#)
- Mechanical Object Recognition and Segmentation from Photos and STL Files (C++, Python).
- Internship Choosing Platform for University - Supervisors : [link](#)
- 6 Months Internship Report in \LaTeX : [link](#)

COMPETENCES

PROGRAMMING

• C • C++ • Shell • \LaTeX • VBA • SQL
• PL/SQL • Oracle • MySQL • PostgreSQL

Familiar with:

- R • Python • Statistics
- Machine Learning • SAP
- Computer Vision • OpenCV

LANGUAGES

- English: Fluent (Written / Read / Spoken)
- German: Correct (Written / Read / Spoken)
- Français: Mother Tongue

LINKS

- Website: JonathanDekhtiar.eu
- Github: [DEKHTIARJonathan](#)
- LinkedIn: [Jonathan DEKHTIAR](#)
- Twitter: [@Born2Data](#)
- Technical Blog: born2data.com
- RSS Feed: [dataradar.io](#)
- Photography: [ruskiStudio.com](#)