

Education

Chalmers University of Technologies

Exchange student - Sweden - 2016

Algorithm for Machine learning and Inference + Deep learning

Concurrent & Parallel programming

Project: distributed messaging system

Artificial Intelligence

Project: shrdlite(NLP, Parsing, Graph search)

Statistical learning for Big Data

Projects :

- non linear dimension reduction methods
- classification methods comparison

École Nationale Supérieure des Mines de Nancy

Engineering degree - Nancy, France - Since 2013

Equivalent of a Master's degree. Major in **Computer sciences, Ambient Systems and Robotics.**

Lycée Michelet, Vanves Preparatory classes - 2011/2013

A two-year program of intensive courses with major in **Mathematics** and **Physics** leading to national **competitive examinations** to attend a top ranked engineering school. Ranked 220/7052 (CCP MP 2013).

Skills

Programming Languages : Maths & Stats :

- **Python**
- Javascript
- Clojure
- Java
- **R**
- Matlab
- Mathematica

Python tools for Machine Learning

- **scikit-learn** / pandas / numpy
- Matplotlib / IPython

- Cassandra
- ElasticSearch
- Spark

Web: Symfony2 / React / Bootstrap

DevOps : Docker - Ansible - Vagrant

Graphic : Photoshop - Adobe premiere pro.

Office : Windows and Apple suite - LaTeX

- Communication skills

- **English**
- Espagnol
- French

Experiences

Data Scientist Intern at Etsy / alittleMarket. France - Nov 2016

Field : **Machine Learning** / Information retrieval / Search Engine

- Work in the data team in an agile environment (Kanban).
- Interact with business and product teams to define goal & KPI.
- Understand business constraints and transcribe them to technical solutions.
- Explore state of the art techniques in **Learning to Rank** (LTR).
- Extract and analyse data from different origins
- Build a model to learn popularity and relevance from users logs
- **Deploy and A/B test in production** a new ranking system for the search engine.
- Impact GMS and user experience.

Software Engineer Intern at EURA NOVA. Belgium - Sep 2015 / Jan 2016

- Developed an in-house document generator web application, replacing 2 existing systems for recruiting and business services.
- Make choices of architecture (divide : content/generation/template) to ease future development and maintainability.
- Interact with the client to define their needs
- Define, and implement a new UX/UI in close relation with a designer
- Release 5 iterations during 5 sprints.
- Define with the client and prepare (for the team) the next steps of the product

Partnership with the CEA-Tech. Grenoble - Sep 2015 /Jan 2015

- receive mentoring on our project OPTI (through guidance and workshop)
- question/diverge over the product (mood-board, design thinking, storyboard)
- imagine (sketch, user cases, in context) to find insights
- experiment, test, iterate with prototyping

Software Engineer Intern at Blueprint. Hong Kong - July to Sep 2015

- Improve the backend of a recruitment platform - 30%
- Implement a **search engine with ElasticSearch** - 30%
- Explore **recommandation engine** techniques - 10%
- Analyse the market and possible competitors - 10%
- Debug and redesign the front-end - 20%

Project OPTI - **Entrepreneuriales** Lorraine - 2014/2015

- Learn key points to start a business (mooc + flipped classroom)
- Define a business model & plan for the project
- Communicate over the project (innovation contest)
- **Lead a team** of 7 multidisciplinary students
- Experiment with fast-prototyping (Arduino,3D printing...)
- Win multiple innovation & entrepreneurship contests (3000€ of prize)

Supply chain internship at UPS SCS. France - February 2014

Activities

Athletics

- Coach (Federal diploma)
 - Create exercises, training
 - Coordinate and animate
- Athlete (sprint & jump)

Volley-Ball

- Coach
 - Manage the trainings
 - Build team spirit
- Team member (wing spiker)

Gala

- Organiser of a prestigious ceremony
- Obtain sponsors and financings
- ~500 people event
- Team project

Club Surf

- Surf weekend organizer (~50p)
- Financing & partnership
- Team project



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