

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

École Nationale Supérieure des Mines de Nancy

Engineering degree - Nancy, France - Sep 2013 / Apr 2017

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 / tensorflow
- Matplotlib / IPython / Jupyter

- Cassandra
- Elasticsearch
- MongoDB

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 at Amaris/Mantu. Austria - Sep 2017 / Sep 2019

Field : **Machine Learning** / Information retrieval / NLP

- Take part in the creation of a multi-location research lab focused on AI
- Realise various PoC including for: Recruitment; Marketing; M&A; HelpDesk
- Applied Research in NLP & Computer Vision:
 - Topic modeling, word embedding, clustering, similarity search
 - Reproduce SoA in Face identification and emotion recognition
 - Work on image captioning and VQA algorithms
 - Tech/Scientific watch & pop-science for business actor

Innovation Evangelist at Amaris/Mantu

- Work in pair with a business developer
- Shape the strategy of the innovation cluster
- Meet clients, assess project feasibility and produce proof of concept
- Follow innovation and AI trends (watch + conferences)

Data Scientist Intern at Etsy / alittleMarket. France - Nov 16 / Apr 17

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

- Work in the data team in an agile environment (Kanban).
- Exchange 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 revenue and user experience.

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

- Develop an in-house document generator web app, replacing 2 existing systems for recruiting and business services
- Interact with the client to define their needs then make choices of architecture
- Release 5 iterations during 5 sprints
- Define and implement a new UX/UI with the help of a designer

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

- Receive mentoring on our project OPTI (through guidance and workshop)
- Question, diverge, imagine, iterate experiment, test, iterate with prototyping
- Mood-board, design thinking, storyboard, sketch, user cases

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 (Gearbox for bike)- **Entrepreneuriales** Lorraine - 2014/2015

- Learn key points to start a business (mooc + flipped classroom)
- Define a business model & plan for the project
- Communicate on our creation (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 for youth training
- Athlete (sprint & jump)

Volley-Ball: Coach + Player

Climbing & Hiking



github.com/isaros

elouan.tardivel@mines-nancy.org



[linkedin.com/in/elouantardivel](https://www.linkedin.com/in/elouantardivel)



+33 649 82 06 51

+65 90 79 86 72



www.elouantardivel.com