Pierre Ouannes

CONTACT

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SUMMARY

Ecole Centrale de Lille student looking for an internship in Data Science and Machine Learning. Proficiency in the following programming languages. Python, Matlab, C, Java. Experience in the following librairies and frameworks: sk-learn, NumPy, pandas, matplotlib, PyTorch, fastai, TensorFlow, Keras. Experience in team work and customer relations.

Available from early July 2019

WORK EXPERIENCE

Centrale Lille Projets — Oct 2017 — Dec 2018

Engineering Director

Project Management in Computer Science, Marketing and Engineering:
- Drafting and negotiation of commercial proposals;
- Intermediary between the Client and the implementers assigned to the project;
- Project monitoring and customer loyalty.

Centrale Lille Voltage Racing Team — Oct 2017 — Nov 2018

Team manager

Coordinating a team of 20 engineering students to build an electric racing car. Objective :participating in the Formula Student race in Silverstone, UK.
Also member of the electronic division.

IEMN — Jan 208 — Feb 2018

Research Intern

Internship at IEMN, a CNRS research center in Micro and Nanotechnologies. My work consisted in making and characterising micro bubbles to which magnetic nanoparticles were attached. I also built custom software with MatLab to automatically detect and classify the sizes of the micro bubbles on images taken with an optic microscope. Applications of those magnetic micro bubbles are mainly in targeted drug delivery systems.

Cheer Up! — Sep 2017 — Now

Volunteer

Visiting young patients with cancer and helping them to carry out projects that are important to them.

EDUCATION

fast.ai Deep Learning for Coders part 1 — Oct 2018 — Dec 2018

University of San Francisco (online course)

- Neural Nets architecture and training : CNN (ResNet, U-Net), RNN, SGD, Adam, momentum, learning rate annealing, one cycle policy;
- Computer vision (Image classification, Image regression, Object Detection, Image segmentation), NLP, GAN;
- PyTorch, fastai, Python 3, Jupyter Notebooks.

Machine Learning — Sept 2018 — Oct 2018

Coursera - Stanford (MOOC)

- Supervised Learning : linear and logistic regression, neural networks, Support Vector Machines;
- Unsupervised Learning : K-means, Principal Component Analysis, Anomaly Detection;
- Collaborative Filtering, large scale Machine Learning;
- Analysis and amelioration technics for Machine Learning systems.

General Engineering — Ongoing

Ecole Centrale de Lille

Data Science training (Python, NumPy, pandas, sk-learn, matplotlib), Mathematics, scientific computing , signal processing.

Preparatory classes — 2014 — 2017

Saint Louis college, Paris

Mathematics, Physics and Computer Science

French Scientific Baccalaureat — 2014

Brussels French High-School Jean Monnet

LANGUAGES

French (mother tongue)
English (fluent, level C1)
Spanish (beginner)
Chinese (beginner)

REFERENCES

References available upon request.