

Cyril Poulet

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Availability : January 2019
Car/Motorcycle driving license
Spoken language: French, English

Senior data scientist / IA expert

Experience

2016 – 2018 Quicksign – R&D engineer / data scientist.

Lead on R&D projects:

- understanding of the company needs,
- study of the state-of-the-art,
- create POC: manage tooling, data annotation, trainings, design of larger solutions (including Deep Learning, Machine Learning, IA, Computer Vision, auto-optimization), measure of performances and analysis
- develop POC into automatable solution (configuration management, logging analysis, deployability and auto-build)
- provide production-ready entity (Docker)

Subjects studied: Automated information extraction from images:

- document localization in image
- text reading
- information tagging / text processing
- information extraction / consolidation with knowledge of the trade.

Keywords: python, Tensorflow, IA, docker, image/text processing

2013 – 2015 Evergig – R&D engineer.

Study state-of-the-art IA research, choose technical solution, implement Proof-of-Concept, and integrate in company solution for various subjects:

- Automated music mastering and equalization
- Overlay detection on video
- Noise reduction on multi-sources audio
- Recommendation systems
- Saliency and points of interest in video. Automated intelligent extraction of video thumbnails
- Voice detection in audio segments
- Video quality assessment
- Concert set list extraction from Social media video titles

Keywords: C++, IA, video processing, optimization

2009 – 2012 UPMC – Teacher's Assistant in IA (M1), Java (L2), recursive programming (L1)

2008 Computational & Biological Learning Lab, CIMS, NYU

Development of a C++ GUI library for a convolutional neural network library ([Libeblearn](#)). Design, implementation and training of a neural net for face detection using these libraries. (Supervision : Prof. Yann LeCun)

Education

2010 – 2013 PhD - University Paris VI (UPMC/LIP6): PhD in Artificial Intelligence, on Multi-Agent coordination (with a particular interest on the patrolling problem with an open system setting)

2007 – 2008 Master 2 - University Paris VI (UPMC): Signals, Systems, Images and Robotics, specialized in Robotics and Intelligent Systems (M2 SSIR/RSI)

2005 – 2008 Engineering school - Ecole Centrale Paris: prestigious university-level French multi-disciplinary engineering school. Specialisation in Research, conception and development in the field of Advanced Electronic Systems (SA/CDR)

Technical skills

Computer Science

OS: Linux, OS X, Microsoft

Programming:

- **Languages** Python (advanced), C++, java, notions of bash
- **ML/CV** TensorFlow, Keras, OpenCV
- **Others** Relational and non relational databases, Docker, ansible, notions of kubernetes

Languages

English: Fluent (Advanced level), awarded of the Cambridge Certificate in Advanced English, TOEFL ibts: 108/120, experience in translating software.

Spanish: notions

Extracurricular

Sports: Roller Derby

Passions: Science in general, IA, bass player in a rock band

Community life:

- In charge of sound and lighting systems of the events happening on the campus (up to 2500 people attending), member of the Campus Resident Association (2006-2008)
- Secretary of the association organizing the Orientation Weekend of the Ecole Centrale Paris 2006 (500 people attending)