

Pierre Osselin

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COURSEWORK

GRADUATE

Advanced Simulation Methods •
Bayes Methods • Graphical Models •
Data Science for Development •
Networks • Combinatorics •
SDEs • Approximation Theory •

Dissertation : Modelling and analysis of social network data from rank preferences.

UNDERGRADUATE

Machine Learning • Dynamic Systems •
Convex/Discrete Optimization •
Software Development • Cryptology •
Quantum & Statistical Physics • Waves •
Heat transfer • Thermodynamics •
Fluid/Solid Mechanics • Analysis •
Company Creation • Management •
Finance

SKILLS

PROGRAMMING

Experienced :

Python • TensorFlow • Latex

Intermediate :

Haskell • R • C++

ENVIRONMENT

Git • Windows • Linux

LANGUAGE

Fluent :

French • English (IELTS 8)

Moderate :

Spanish

LINKS

LinkedIn:// [pierre-osselin-85176412b](#)

GitHub:// [PierreOsselin](#)

Twitter:// [POsselin](#)

Website:// [PierreOsselin](#)

INTERESTS

Associations :

VIA Centrale Réseaux • Electronic Club

Sports :

Rock Climbing • Running •

Mountain Biking

Leisure :

Reading (Science Fiction, Psychology and Economics) • Travelling

EDUCATION

ÉCOLE NORMALE SUPERIEUR PARIS-SACLAY | MSc MVA

Master in Mathematics, Vision and Learning.

Oct 2019 - March 2020 | Cachan, France

UNIVERSITY OF OXFORD | MSc IN MATHEMATICAL SCIENCES

Education in Mathematics and Statistics, double degree with ECP.

Rank : 2nd of 70 students (MSc) || 7th of 175 students (MSc + MMath)

Grade : 83%

Oct 2018 - June 2019 | Oxford, UK

ÉCOLE CENTRALE PARIS | MSc IN ENGINEERING

Multidisciplinary top Engineering school | **GPA :** 3.9

Sept 2016 - June 2019 | Gif-sur-Yvette, France

UNIVERSITÉ PARIS-SUD | BSc IN PURE AND APPLIED MATHS

Degree in addition to École Centrale Paris | **Grade :** 15.1/20

Sept 2016 - July 2017 | Orsay, France

LYCÉE JANSON DE SAILLY | MPSI-MP*

Intensive scientific preparation for the highly competitive entrance exams to the French Grandes Écoles. | **Option :** Computer Science | **GPA :** 4.0

Sept 2016 - July 2017 | Paris, France

EXPERIENCE

CNRS | DEEP LEARNING RESEARCHER

July 2019 – Sept 2019 | Paris, France

- Summer internship in the Versailles Laboratory of Mathematics.
- Research sujet on Optimization in Deep Learning.
- Organized a TensorFlow WorkShop for the team.

NOVADISCOVERY | SCIENTIFIC PROGRAMMER

July 2018 – Sept 2018 | Lyon, France

- Summer internship in a SME specialized in biotechnology.
- Research Subject in Biological Model Reduction through Network Analysis: Development of algorithms in Haskell that automatically reduce biological models through sensitivity analysis, parameter identifiability and graph reduction.

MY JOB GLASSES | MACHINE LEARNING RESEARCHER

Sept 2017 – July 2018 | Paris, France

- Development of content-based and collaborative-filtering algorithms in Python to perform profile recommendations in a team of four Data Scientists as part of a one-year Engineering school project.

SAFRAN | PRODUCTION OPERATOR

June 2017 – July 2017 | Évry, France

- Workflow manager in a production unit.

ACCOR HOTEL | SOFTWARE DEVELOPER

Sept 2016 – June 2017 | Paris, France

- Design of algorithms for the selection of comparable hotels in order to measure the impact of promotions, and incorporation in a software written in Python.