

Julien ZHOU

Centrale Paris Engineer
StatML Research Master's

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Research Interests: Probability, Statistics, Machine Learning, Deep Learning

Experience

- Apr. 2022 – **Research Intern**, *Criteo*, Grenoble, France
- Sept. 2022 Research on contextual bandits algorithms.
Conception, analysis and implementation of efficient algorithms.
- Feb. 2020 – **Research Intern**, *Réseau de Transport d'Electricité*, Paris, France
- July 2020 Simulation of time series for different types of energy production (Nuclear, Solar, Wind), taking their constraints into account.
- Mar. 2018 – **Intern**, *Aviva*, London, United Kingdom
- July 2018 Integration of a new risk management tools.
Implementation of several pricing methods for different financial instruments.
- Sept. 2017 – **Intern**, *Ernst&Young Advisory*, Paris, France
- Feb. 2018 Prototyping of a Micro-Reserving tool in Non-Life Insurance.

Education

- 2021 – 2022 **Research Master's Degree**, *Université Paris-Saclay*, Paris, France
Statistics and Machine Learning (Mda – StatML).
- 2015 – 2020 **Centrale Paris Engineer**, *CentraleSupélec*, Paris, France
Specialized in Applied Mathematics (OMA).
- 2015 – 2016 **Bachelor's Degree**, *Université Paris-Sud*, Paris, France
Bachelor's Degree in Fundamental and Applied Mathematics.
- 2013 – 2015 **CPGE**, *Lycée Louis le Grand*, Paris, France
Classes Préparatoires aux Grandes Ecoles (MPSI, MP*, focus on Computer Science).

Projects and Others

- Oct. 2018 – **Research Project**
- Mar. 2019 Short project between CentraleSupélec and Safran.
Analysis of X-Ray tomographies for composite materials with Image Processing and Deep Learning tools.
- Sept. 2016 – **Coupe de France de Robotique**
- May 2017 Moon Village Edition.
Conception of a robot tasked with doing specific actions in a predefined environment.

Skills

Languages

French
English

Computer Skills

Python
R
C++