

EDUCATION

PhD in Statistics and Machine Learning, CMAP, Ecole Polytechnique. Title : <i>Optimisation of medical trajectory to avoid diagnostic wandering in rare diseases.</i> Under supervision of S. Allasonnière and E. Le Pennec, funded by DIM MathInnov.	Paris, France 2021–
MSc at Ecole Normal Supérieur Paris Saclay Machine Learning and Mathematics, Master MVA.	Paris, France 2020–2021
MSc at KTH, Royal Institute of Technology Statistics and Probabilities, with best honors. Thesis title: <i>Sum-Product Network in the context of missing data.</i>	Stockholm, Sweden 2018–2020
Engineering degree and Bachelor, Ecole Centrale de Lille Engineering school and in parallel Bachelor of Mathematics.	Lille, France 2016–2018
French Preparatory Classes, Lycée Fénélon Intensive courses in Mathematics, Physics and Chemistry, PC*.	Paris, France 2014–2016

EXPERIENCE

Research Engineer at Collège de France & Sorbonne Université, LPSM Supervision : Pr. Grégory Nuel at LPSM and Pr. Amaury Lambert at Collège de France. – Alcov2 Project, Mathematical modelling of COVID-19 propagation in french household during lock-down.	Paris, France April-October 2020
Research Internship at Sorbonne Université, & Université de Paris Master Thesis work supervised by Pr. Grégory Nuel and Olivier Bouaziz. – Sum-Product Networks for time to event data.	Paris, France September-March 2020
Engineer internship at Total Biofuel Division Bio ethanol production costs estimation based on different feedstocks.	Paris, France January-March 2017

PUBLICATIONS

P. Clavier, O. Bouaziz, G.Nuel

Gaussian Sum-Product Networks Learning in the Presence of Interval Censored Data (2020) *PGM2020*

CONFERENCES AND TALKS

- **The 10th International Conference on Probabilistic Graphical Models**, Denmark, September 2020.
Gaussian Sum-Product Networks Learning in the Presence of Interval Censored Data.
- **Colloque Données de santé en vie réelle, DSVR 2020**, Paris, September 2020.
Alcov2: a National Questionnaire Survey for Understanding the Transmission of SARS-CoV-2 in French Households during Lockdown.
- **Stochastic and Biology Group Workshop, LPSM, Sorbonne Université**, Paris, April 2020.
Alcov2 survey exploration and statistical raking.

TEACHING

- **Teaching Assistant** at Universite Paris Descartes.
Mathematical Analysis, 3rd year of Bachelor.

September 2019 - February 2020

SKILLS

- **Python:** PyTorch, Keras, Sklearn, Pandas
- **R**
- **Matlab**
- **L^AT_EX**

LANGUAGES

- **French:** Native language
- **English:** Complete professional proficiency level
- **Swedish:** Intermediate level

EXTRACURRICULAR ACTIVITIES

- Basketball player at regional level in club and at university.

2007–Current

- Classic Guitar, Cello & Chamber Music

2002–2014

National diploma in Classic guitare, end of studies of Nancy Conservatory.