



# PhD student

## Computational Sociology

### EDUCATION

#### PhD Sociology - *The socio-political lives of AI systems*

2022 - now, médialab - Sciences Po Paris

An investigation into how socio-demographic features and political attitudes guide the algorithms in social media. Recommendation algorithms, GNN, explainability, political attitudes analysis, AI safety.

#### MSc Data Science - *CentraleSupélec engineering diploma*

2018 - 2022 – Université Paris Saclay, France

Master of Science in Mathematics and Data Science.

Mathematical models, ML, Deep Learning, NLP, Statistical Models, Software Application Engineering, Big Data Management, Research oriented.

#### MSc Mathematics

2021 - 2022 – Université de Lorraine, France

Master MFA, Master of science in fundamental and applied mathematics for research. Stochastic process, Graphs theory, Partial differentials equations.

#### (CPGE) Classe préparatoire aux grandes écoles

2016 - 2018 – Lycée Carnot, France

#### Academic Awards

2016 : Maths Olympiad (ITALY) : National Bronze Medal

2013 : Team Problem Solving Olympiad (IT) : 11th, national ranking

### PROFESSIONAL EXPERIENCES

#### Computational Social Science - *Research intern*

2022 – 5 months, médialab – Sciences Po

Preparation of the PhD project “The socio-political lives of AI systems”.  
Topics : socio-political theories of social choice, ideology inference in social media, circulation of information, recommendation algorithms, human-machine interaction.

#### Social Network Analysis - *Research assistant*

2021 – 6 months, LORIA & CentraleSupélec

Community recognition on heterogeneous data.

#### Tweeter Analysis Project – *Student project*

2021 – 4 months, CentraleSupélec

Data analysis of digital social systems: popularity, activity prediction, Twitter data.

#### Scientific mediation & research - *Project-founder*

2021 – 6 months, Idée Courante project, France

- Scientific mediation by podcasts, articles and pedagogical interventions
- Team project, social impact analysis, interdisciplinary research, conduction of interviews

#### Data science & carbon analysis - *Intern*

2020 - 6 months, Greenly, France

Start-up, carbon assessment, calculation of monetary emission factors, back-end development, textual classification algorithms, python.

# Tim FAVERJON

Mail : [tim.faverjon@student-cs.fr](mailto:tim.faverjon@student-cs.fr)

Tel : +33 6 44 80 73 30

LinkedIn : [Tim.Faverjon](#)

Driving licence : A1, B

### COMPUTER SKILLS

**Python** [advanced] :

Machine Learning, Deep Learning, Data visualization, Graph analysis

**DevOps** :

Docker, Kafka, Kubernetes

**Big Data** :

SQL, NoSql

**Utility** :

LaTeX, Office pack, Research tools

### LANGUAGES

- French *Native*
- Italian *Bilingual*
- English *IELTS (7.0)*

### OTHER INTERESTS

**Theatre and improvisation**

Practice : 12 years,  
Performances : 20+.

**Guitar and vocals**

Practice : 13 years.

**Epistemology & scientific mediation**

Participation in some events  
(e.g., ARTEX 2021...)

**Mountaineering and Caving**

Expeditions : Himalayas - India, Lefka Ori - Greece, Cotiella - Spain...

### VOLUNTEERING

**Current membership**

- [Effective Altruism](#)
- [Fresque du climat](#)
- [Pint Of Science](#)

2018 – 2019, **FACS** (*Fédération des Associations de Centrale Supélec*)

- Vice-president : Theatre club
- Vice-president : Choir
- Communication manager: Improvisation club
- Theatre director : Musical club

2014 – 2018, **Educator / Teacher**

BAFA obtained. Teaching algorithmic bases for middle school classes.