

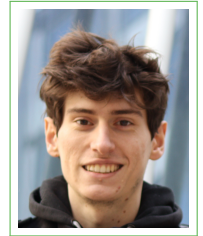
Guillaume Moinard

Curriculum Vitae

Somewhere
yes, Paris
France

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Academia background

- 2022–2025 **Ph.D. in Computer Science**, Sorbonne University, LIP6, Paris
Subject : *Robustness and fragility of networked infrastructures.*
- 2021–2022 **2nd year of Master's degree in Physics of Complex Systems**, Sorbonne University, Paris
Courses on dynamical systems, active particles, machine learning, econophysics, stochastic processes, game theory, statistical field theory and graph theory.
- 2019–2020 **1st year of Master's degree in Physics**, Erasmus at Durham University, England
- 2016–2019 **Bachelor's degree in Physics**, Sorbonne University, Paris

Professional experience

- 2022–2025 **Teaching**, Sorbonne University, Paris, 3 years
Teaching a course on Python, and supervising student projects on modelling dynamical systems.
- 2022 **Internship at LIP6**, with Matthieu Latapy and Nicolas Maudet, Paris, 5 months
Study of new forms of protests. Implementation of multi-agent models, governed by stochastic processes, of walkers on city graphs obtained by extracting data from OpenStreetMaps.
- 2021 **Internship at INRAE**, with Guillaume Deffuant, Clermont-Ferrand, 5 months
Participation in the ToRealSim project. Extension of the *Leviathan* opinion propagation model to social networks. Study, with a mean field approach, of the impact of allowing agents to gossip in the model.

Associative involvement

- 2023–2024 **Representative**, LIP6 PhD council, Sorbonne University, Paris
Responsible for reporting doctoral students' issues to the laboratory direction.
- 2022–2024 **Elected member**, Physic's department council, Sorbonne University, Paris
Voting for the budget allocations of the department. Responsible for rewriting the internal regulations.
- 2021–2023 **Vice-President**, CurieOsity, Physic student's society, Sorbonne University, Paris
Organizer of the Masters Forum, the M2 diploma ceremony and conferences with Etienne Klein, Jean-Philippe Bouchaud, and Francis Rocard. Leader of tutoring and astrophotography evenings. Organizer of a trip to the Fleurance festival. Responsible for managing partnerships.

Personal interests

- Research* Collective intelligence, protests, agent-based modelling, game theory, computational social science, complex networks, econophysics, cognitive science, statistical physics, link streams.
- Science* Telescope observations planned with *Stellarium* and remotely controlled by Raspberry Pi. Projects with the *Arduino* board at the Sorbonne University FabLab. Participation in the DurHack hackathon.
- Literature* Editor in a student newspaper *Alma Mater*. Writer of short stories presented at the Clara Prize and the Crous student creation contest. Winner of the Connectome eloquence contest.
- Computing* Python, C++, Bash, \LaTeX , Linux
- Languages* English (C1), Italian (B1), French (Native)