

# IVAN CONJEAUD

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## Education

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### Paris School of Economics

September 2022 – Present

*PhD in economic theory under the supervision of Pr. Francis Bloch*

### Paris School of Economics

September 2021 – June 2022

*Master's Program "Analysis and Policy in Economics"*

*Highest Honors*

**Coursework:** Mechanism Design, Behavioral Game Theory, Network Economics, General Equilibrium Theory, Advanced Microeconometrics

**Master Thesis:** Strategic Learning in Complex Environments, under the supervision of Francis Bloch (PSE) and Argyris Kalogeratos (Paris-Saclay University)

### Ecole Polytechnique

September 2019 – June 2020

*Master's Program in Quantitative Economics*

*Highest Honors*

**Coursework:** Microeconomics, Macroeconomics, Econometrics, Blockchain and Cryptocurrencies, Experimental Economics

**Internship:** Research Assistant for Pr. Nobuyuki Hanaki (University of Osaka)

### Ecole Normale Supérieure Paris-Saclay

September 2019 – June 2021

*Program in Artificial Intelligence*

**Coursework:** Foundations of Machine Learning, Machine Learning for Signal Processing, Machine Learning on Networks, Probabilistic Graph Models, Reinforcement Learning

### Ecole Normale Supérieure Paris-Saclay

September 2018 – June 2019

*Bachelor Degree in Economics*

*High Honours*

**Coursework:** Game Theory, Statistics, Measure Theory, Microeconomics, Macroeconomics

### Sorbonne University

September 2018 – June 2019

*Bachelor Degree in Sociology*

*Honours*

**Coursework:** Sociology of norms, Sociology of Religion, Sociology of Immigration, Gender Studies

### Lycée Thiers

September 2016 – June 2018

*Preparatory Classes to French "Grandes Ecoles"*

**Coursework:** Mathematics, Economics, Sociology, Literature, Philosophy, History, English, Spanish

### Lycée Thiers

September 2015 – June 2016

*Preparatory Classes to French "Grandes Ecoles"*

**Coursework:** Mathematics, Physics, Chemistry, Computer Science, Philosophy, English, Spanish

## Work experience

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### Max Planck Institute for Human Development

January 2021 – June 2021

*Research Intern*

*Berlin*

Research Internship under the supervision of Philipp Lorenz-Spreen and Argyris Kalogeratos. Fitting a model of opinion dynamics to Twitter data using meta-heuristic methods.

### Borelli Center for Applied Mathematics

September 2020 – January 2021

*Research Intern*

*Gif-sur-Yvette*

Research Internship under the supervision of Argyris Kalogeratos. Development of a new model of opinion dynamics.

### Osaka University

March 2020 – September 2020

*Research Assistant*

*Osaka*

Research Assistant for Pr. Nobuyuki Hanaki

## Teaching experience

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### ENS Paris-Saclay

September 2022 – Present

*Teaching Assistant*

*Gif-sur-Yvette*

- Measure Theory - 3rd Year Bachelor in Economics (18 hours)
- Mathematics (Topology and Algebra) - 1st Year Master in Economics (24 hours)
- Firms and Markets - 1st Year Master in Economics (24 hours)

### Paris-Descartes University

September 2021 – January 2022

*Teaching Assistant*

*Paris*

- Mathematical Tools - 1st Year Bachelor in Economics (24 hours)

## Working papers

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**Spontaneous coupling of Q-learning algorithms in Equilibrium**, I. Conjeaud, arxiv preprint, 2023

## Published papers

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**DeGroot-based opinion formation under a global steering mechanism**, I. Conjeaud, P. Lorenz-Spreen, and A. Kalogeratos, *IEEE Transactions on Computational Social Systems*, 2024

## Presentation in conferences and seminars

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**Conferences:** *Complex Networks and their Applications* 2023 (lightning presentation)

**Seminars:** *Theory Lunch Seminar* (11/16/23)

## Skills

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**Languages:** French (Native), English (Fluent), Spanish (Fluent), Indonesian Malay (Conversational), Japanese (Notions), Italian (Notions)

**Programming Skills:** Python, R, Stata, Latex

## Grants and awards

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**Interdisciplinarity for Emerging Challenges Award** ENS Paris-Saclay

**PhD Scholarship for ENS Students**, ENS Paris-Saclay - Paris School of Economics

**Civil Servant Student**, ENS Paris-Saclay