

# Jules Tsukahara

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## Education

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### Sorbonne Université

*PhD @ Inria*

**Paris**

*September 2024–now*

### École Normale Supérieure Paris-Saclay

*M2 MVA (Mathematics, Vision, Learning),*

*Thesis: Graph Multiview Clustering*

**Paris**

*2021–2022*

### King's College London

*MSc Mathematics,*

*Thesis: On The Rigidity of Polyhedra and The Bellows Conjecture*

**London**

*2020–2021*

### King's College London

*BSc Mathematics, First Class Honours*

**London**

*2017–2020*

### Lycée Sainte-Marie de Neuilly

*Preparatory Class B/L section,*

**Paris**

*2016–2017*

### Lycée Français Jean Monnet

*Scientific Baccalaureate,*

*Mathematics Track*

**Brussels**

*2014–2016*

## Research Internships

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### Sorbonne Université

*@ IMJ-PRG, advised by Elias Tsigaridas & Grégoire Sergeant-Perthuis*

*Topic: Singular Learning Theory*

**Paris**

*September 2023-May 2024*

### École normale supérieure Paris-Saclay

*@ Centre Borelli, advised by Argyris Kalogeratos & Harry Sevi*

*Topic: Representation Learning on Graphs*

**Paris**

*May 2022-October 2022*

## Conferences & Summer Schools

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### Winter School on Moments, Non-negative Polynomials and Algebraic Statistics

*Universität Konstanz*

**Konstanz**

*February 2025*

### Summer School on Real Algebraic Geometry and Hodge Theory

*Technische Universität Dresden*

**Dresden**

*September 2024*

### Hypatia Graduate Summer School

*Centre de Recerca Matemàtica*

**Barcelona**

*June 2024*

### Singular Learning Theory Summit

*organised by Daniel Mufet*

**Berkeley**

*June 2023*

### Summer School of Machine Learning

*Imperial College London*

**London**

*June 2019*

## Professional Experiences

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### Kaihatsu Management Consulting Inc.

*Internship,*

**Paris**

*Summer of 2015*

**Shigeru Ban Architects Europe**  
*Internship,*

**Paris**  
*Summer of 2014*

## Articles and Preprints

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### **A Short Presentation of Active Inference**

*J. Tsukahara, G. Sergeant-Perthuis*  
preprint

2024

## Programming

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**Python:** Proficient  
including Pytorch, Tensorflow

## Languages

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**French:** Fluent  
**Japanese:** JLPT: N1

**English:** IELTS: 8/9  
**German:** B1