

Jules Tsukahara

jktsukahara@gmail.com ★ jktsukahara.github.io

Education

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

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

Talks

Geometry & Machine Learning 2

Sorbonne Université

Topic: Bayesian Information Criterion of singular bi-parametric models over the probability simplex

Paris

May 2025

Conferences & Summer Schools

French Days of Computer Algebra

CIRM

Marseille

March 2025

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 Murfet
Summer School of Machine Learning
Imperial College London

Berkeley
June 2023
London
June 2019

Professional Experiences

Kaihatsu Management Consulting Inc.
Internship,
Shigeru Ban Architects Europe
Internship,

Paris
Summer of 2015
Paris
Summer of 2014

Articles and Preprints

A Short Presentation of Active Inference
J. Tsukahara, G. Sergeant-Perthuis
preprint

2024

Programming

Python: Fluent
including Pytorch, Tensorflow
SINGULAR: Fluent

SageMath: Fluent

Languages

French: Fluent
Japanese: JLPT: N1

English: IELTS: 8/9
German: B1