Jules Tsukahara

jktsukahara@gmail.com ★ https://jktsukahara.github.io/

Education

École Normale Supérieure Paris-Saclay	**Paris**
M2 MVA,	*2021–2022*
Mathematics, Vision, Learning	
King's College London	**London**
MSc Mathematics,	*2020–2021*
Thesis: On The Rigidity of Polyhedra and The Bellows Conjecture	
King's College London	**London**
BSc Mathematics, First Class Honours	*2017–2020*
Lycée Sainte-Marie de Neuilly	**Paris**
Preparatory Class B/L section,	*2016–2017*
Lycée Français Jean Monnet	**Brussels**
Scientific Baccalaureate,	*2014–2016*
Mathematics Track	

Research Internships

Sorbonne Université	**Paris**
@ IMJ-PRG, advised by Elias Tsigaridas & Grégoire Sergeant-Perthuis	*September 2023-May 2024*
Topic: Singular Learning Theory	
École normale supérieure Paris-Saclay	**Paris**
@ Centre Borelli, advised by Argyris Kalogeratos & Harry Sevi	*May 2022-October 2022*
Topic: Representation Learning on Graphs	

Conferences & Summer Schools

Hypatia Graduate Summer School	**Barcelona**
Centre de Recerca Matemàtica	*June 2024*
Singular Learning Theory Summit	**Berkeley**
organised by Daniel Murfet	*June 2023*
Summer School of Machine Learning	**London**
Imperial College London	*June 2019*

Professional Experience

Kaihatsu Management Consulting Inc.	**Paris**
Internship	*Summer of 2015*
assisted the team at the SIAL Paris trade fair; provided Japanese translation	
Shigeru Ban Architects Europe	**Paris**
Internship	*Summer of 2014*
assisted architects in the realisation of both handcrafted and CAD scale models	

Articles and Preprints

A Short Presentation of Active Inference
J.Tsukahara, G. Sergeant-Perthuis 2024
link to preprint

Programming

Python: Proficient
including Pytorch, Tensorflow

Languages

French: Fluent   **English**: IELTS: 8/9
Japanese: C1   **German**: B1