Chanattan Sok

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École normale supérieure de Rennes, 11 avenue Robert Schuman, 35170, Bruz, France

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I am a master student in AI, MAS, and decision at Sorbonne University, and also at École normale supérieure de Rennes.

Education

Master's degree in Algorithms, Artificial Intelligence, Interactions and Decision (AI2D) - Sorbonne University, Paris, France *Coursework on decision (multi-criteria; in uncertainty), coordination and game theory in MAS, decision-making models, MARL, social choice, market design and auction theory.*	Sept 2025 - June 2026
ENS Diploma in Computer Science - École normale supérieure de Rennes, France	Aug 2022 - Aug 2026
B.Sc. in Fundamentals of Computer Science - ENS Rennes, France	Aug 2022 – Aug 2023

Research Positions

Student researcher at Anticor (Datalab) - Paris, France. *Decision-making help with multi-agent LLMs and final deliberation agent on law-related conflicts.* Work with Julien Perez.	Aug 2025 - 202X
Research assistant at LAMSADE and CES - Paris Dauphine-PSL, CNRS, France. *Measuring fairness in railway networks: graph theory meets social choice - evaluation on EU countries*, supervised by Jérôme Lang, Arianna Novaro, and Florian Sikora.	May 2025 - August 2025 Website, GitHub, *Report*
Research fellow at City Science Lab HCU Hamburg, an MIT Media Lab collaboration and IRD in France - Hamburg, Germany. *Urban digital twin: carbon-centered simulation of Hamburg with GAMA*, supervised by Arnaud Grignard and Rico Herzog.	Feb 2025 - May 2025 Slides, *Report*
Research assistant in the *Multi-Robot Systems* (CHROMA) - Inria & INSA Lyon, France. *Simulation and resolution of spatial conflicts between pedestrians*, supervised by Olivier Simonin. Paper accepted at JFSMA2025, in submission to AAMAS.	Sept 2024 - Dec 2024 Paper
Research assistant in *Programming Languages* - Aarhus University, Denmark. *Extension of the functional-first Flix language with Java interoperability*, supervised by Magnus Madsen.	May 2024 - Aug 2024 GitHub
Research assistant in the *Data Management team*, IRISA - Thales, ENS Rennes, France. *Standalone WebAssembly-based join*, supervised by Laurent d'Orazio. Paper at SSDBM2024.	Sept 2023 – May 2024 Paper
Student research fellow in data management/AI, Anticor, ENS Rennes, France. Created law-related database scheme to help lawyers fight public market frauds.	Nov 2023 – May 2024 Press Paper
Research assistant in the *Multi-Agent Systems team*, Sorbonne University, LIP6, France. *Simulation of negotiations in agents*, supervised by Nicolas Maudet and Aurélie Beynier.	May 2022 – July 2023 GitLab, Report

Teaching

- **Referring tutor and founder of the computer science and maths tutoring for bachelor students**, ISTIC - Univ. Rennes, Rennes, France	Sept 2023 - March 2024
- **Guest lecturer in applied multi-agent systems**, invited by Pr. Franz Kurfess - Calpoly University, San Luis Obispo, California.	Jan 2024
- **CPES (Cycle Pluridisciplinaire d'Enseignement Supérieur) science tutor in maths and computer science for first year bachelor students** - Lycée Châteaubriand, Rennes	Sept 2023 - March 2024
- **Private teacher in computer science for students of all ages** - Independent.	2015 - 2024

Additional Experiences and Activities

Co-president of the oenology club, ENS Rennes	Sept 2023 - March 2024
Founder of Tutorat ISTIC, tutoring program for B.Sc. students, Univ. Rennes	Sept 2023 - March 2024
Finalist in ENS Rennes eloquence competition 2023-2024, ENS Rennes	2023
Winner of a local hackathon (Palm'Hackathon ISTIC 2023), Univ. Rennes	2023
Treasurer of RJMI Rennes 2023 - ENS Rennes	Oct 2022 - March 2023
Participant of the NEGOCLIM project for Economics & CS research, MITI - CNRS	2022 - 202X
Freelance developer - Java Swing/FX, and Python software development, Online	2015 – 2019

Languages

French (native), English (proficient), German (notions)