Tomas Rigaux

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Education

2023–pursuing	**PhD in Computer Science**, *Kashima Lab*, Kyoto University.
2016–2021	**Diplome de l'ENS (DENS)**, *École normale supérieure*, Paris (ENS).
2020	**Computer science Master II — Mathematiques Vision et Apprentissage (MVA)**, *École normale supérieure*, Paris (ENS).
2018	**Computer science Master I**, *École normale supérieure*, Paris (ENS).
2017	**Computer science Bachelor**, *École normale supérieure*, Paris (ENS).
2016	**Admitted to the École normale supérieure, Paris (ENS)**, *ranked 4th*.
2014–2016	**Classes prépa MPSI-MP***, *Champollion*, Grenoble.

Skills

Programming	C, C++, Python, OCaml, Rust
Python	Jax, Tensorflow, PyTorch, sklearn
Web	HTML/CSS, Javascript

Experience

2022–2023	Extended position at Inria **Saclay, France**, with Jill-Jenn Vie on various research projects.
2022	Fixed term position at Inria **Saclay, France**, with Jill-Jenn Vie and in collaboration with Pôle-Emploi (1 year).
	Predicting future employment opportunities using time series tabular data of French hirings from Pôle-Emploi
2021	Internship at Inria **Paris, France**, supervised by Francis Bach (2 months).
	Work on the results of *Finding Global Minima via Kernel Approximations*.
2018	Internship at Riken AIP **Tokyo, Japan**, supervised by Takanori Maehara (5 months).
	Masakazu Ishihata, Takanori Maehara, and Tomas Rigaux. Algorithmic meta-theorems for monotone submodular maximization, 2018, arXiv:1807.04575.
2017	Internship at Université de **Liège, Belgium** supervised by Pierre Geurts (2 months).
	Exploring hybrid methods combining neural networks and random forests for supervised learning.

Teaching

2021	**Algorithmic lab sessions**, *Python in L3 at CentraleSupélec (30 students, 21h)*, Gif-sur-Yvette.

2017–present	**Coach** *for ENS teams at the contest* International Collegiate Programming Contest
2022	**Coached** *the 6th team in the 2022 World Finals* International Collegiate Programming Contest
2014–2023	**Assistant coach** *for preparation and selection of the french team at the contest* International Olympiad in Informatics

Competitions and Awards

2018	Ranked 56th with Honors at the 2018 ACM ICPC World Finals in Beijing — China.
2017	Ranked first at the 2017 ACM ICPC Regionals (SWERC) in Paris — France
2017	Ranked 34th with Honors at the 2017 ACM ICPC World Finals in Rapid City — South Dakota, USA.
2016	Ranked first at the 2016 ACM ICPC Regionals (SWERC) in Porto — Portugal
2016	Ranked 2nd at Prologin, the French National Computer Science Contest.
2014	Member of the French team at the IOI in Taipei — Taiwan.

Publications

[1] Masakazu Ishihata, Takanori Maehara, and Tomas Rigaux. Algorithmic meta-theorems for monotone submodular maximization, 2018, arXiv:1807.04575.

[2] Tomas Rigaux, Jill-Jênn Vie, and Sein Minn. Privacy-preserving synthetic educational data generation. Proceedings of EC-TEL 2022, in press, 2022.

[3] Jill-Jênn Vie, Tomas Rigaux, and Hisashi Kashima. Variational factorization machines for preference elicitation in large-scale recommender systems. In *Proceedings of IEEE BigData 2022, in press*, 2022.

Language

French	Native language	
English	Fluent	*IGCSE diploma. International option for the Baccalauréat*
Japanese	Learning	*Studied as a second language for 2 years*
Italian	Intermediate	*Studied as a second language for 9 years*