

# Nicolas Hubert , Ph.D. Candidate in Computer Science

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🌐 <https://nicolas-hbt.github.io/>



## Education

- 2021 – 2024    📖 **Ph.D. in Computer Science.** University of Lorraine, Nancy, France.  
Thesis title: *Machine Learning and Recommender System for Education: Towards a Decision Support System for University Guidance.*  
Advisors: Armelle Brun and Davy Monticolo.
- 2016 – 2020    📖 **M.Sc. in Applied Mathematics.** Centrale Nantes, Nantes, France.  
Keywords: *Statistical inference, Machine Learning, Bayesian statistics, Probability.*
- 📖 **M.Sc. in Management-Engineering.** Audencia BS, Nantes, France.  
Keywords: *Financial Markets, Corporate Finance, Supply Chain, Digital Marketing, IT.*

## Employment History

- 2021 – 2024 (36 months)    📖 **Ph.D. Candidate.** University of Lorraine, Nancy, France.
- 2021 – 2021 (6 months)    📖 **Research Intern.** ERPI Laboratory, Nancy, France.
- 2020 – 2021 (5 months)    📖 **Applied Research Intern.** Nokia Bell Labs, Paris, France.
- 2019 – 2019 (5 months)    📖 **Machine Learning Engineer Intern.** Credit Suisse, Lausanne, Switzerland.
- 2018 – 2018 (2 months)    📖 **Hedge Fund Analyst Intern.** Altervest Ltd, Montreal, Canada.
- 2017 – 2017 (3 months)    📖 **Data Analyst Intern.** HedgeServ, Luxembourg, Luxembourg.

## Research Publications

### Conference Proceedings

- 1    **Hubert, N.,** Brun, A., & Monticolo, D. (2022a). New Ontology and Knowledge Graph for University Curriculum Recommendation. In *ISWC 2022 - The 21st International Semantic Web Conference*, Hangzhou / Virtual, China. Retrieved from 🌐 <https://hal.archives-ouvertes.fr/hal-03768154>
- 2    **Hubert, N.,** Monnin, P., Brun, A., & Monticolo, D. (2022). New Strategies for Training Knowledge Graph Embeddings: the Recommendation Case. In *EKAW 2022 - 23rd International Conference on Knowledge Engineering and Knowledge Management*, Bolzano, Italy. Retrieved from 🌐 <https://hal.inria.fr/hal-03722881>
- 3    **Hubert, N.,** Brun, A., & Monticolo, D. (2022b). Vers un système de recommandation explicable pour l'orientation scolaire. In *Workshop EXPLAIN'AI - EGC Blois 2022*, Blois, France. Retrieved from 🌐 <https://hal.archives-ouvertes.fr/hal-03559471>

## Skills

- Languages    📖 Strong reading, writing and speaking competencies for English, French, and Spanish.
- Coding        📖 PYTHON, R, SPARK, JAVA, C/C++, SQL.
- IT Tools      📖 MYSQL, FLASK, MONGODB, ELASTICSEARCH,  $\text{\LaTeX}$ .
- Misc.         📖 Academic research, teaching, tennis, running, swimming.