

# 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

### International Conference Articles

- 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-03768154v2/document>
- 2    **Hubert, N.,** Monnin, P., Brun, A., & Monticolo, D. (2022b). New Strategies for Training Knowledge Graph Embeddings: the Recommendation Case. In *EKAW 2022 - 23rd International Conference on Knowledge Engineering and Knowledge Management*, Bolzano, Italy. **Best Paper Award.** Retrieved from  
🔗 <https://hal.inria.fr/hal-03722881v3/document>

### International Workshop Articles

- 1    **Hubert, N.,** Monnin, P., Brun, A., & Monticolo, D. (2022a). Knowledge Graph Embeddings for Link Prediction: Beware of Semantics! In *DL4KG@ISWC 2022: Workshop on Deep Learning for Knowledge Graphs, held as part of ISWC 2022: the 21st International Semantic Web Conference*, Virtual, China. Retrieved from 🔗 <https://hal.archives-ouvertes.fr/hal-03787512/document>

### National Workshop Articles

- 1    **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/document>

## Skills

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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, L <sup>A</sup> T <sub>E</sub> X.
Misc.	Academic research, teaching, tennis, running, swimming.