



Julien Romero

French
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[Google Scholar](https://scholar.google.com/citations?user=romerojulien34)

Add-ons

Languages :

English (fluent),
French (native),
Romanian (basic),
Japanese (basic),
Spanish (basic)

Music : Choir/Guitar/Violin

Reading

Diving



Education/Jobs

- Sept. 2021: Associate professor at [Télécom SudParis](#)
- Oct. 20-August 21: Postdoc at the [Max Planck Institute for Informatics](#)
- 2017-2020: Ph.D. Student at [Télécom Paris](#) with [Fabian Suchanek](#) & [Nicoleta Preda](#)
- June-September 2018: Visit at [Max Planck Institute for Informatics](#)
- January 2017 - July 2017: Junior Data Engineer at [Haufe Umantis](#)
- 2015-2017: Master in Robotics, Systems and Control at [ETH Zürich](#)
- 2013-2015: Master in Computer Science at [Télécom Paris](#)
- 2011-2013: Preparatory classes at [Lycée Henri IV, Paris](#)

Research

- Mapping and Cleaning Open Commonsense Knowledge Bases with Generative Translation. *ISWC 2023* ([pdf](#))
- Tackling Cold Start for Job Recommendation with Heterogeneous Graphs *RecSys in HR 2023* ([pdf](#))
- Refined commonsense knowledge from large-scale web contents. *Semantic Web Journal* ([pdf](#), [website](#))
- Do Children Texts Hold The Key To Commonsense Knowledge? *EMNLP 2022* ([pdf](#))
- Equivalent Rewritings on Path Views with Binding Patterns. *ESWC 2020* ([pdf](#), [video](#), [demo](#) at CIKM 2020)
- Commonsense Properties from Query Logs and Question Answering Forums. *CIKM 2019* ([pdf](#), [demo](#) at CIKM 2020)
- Query Rewriting On Path Views Without Integrity Constraints. *Datamod 2020* ([pdf](#))
- Pyformlang: An Educational Library for Formal Language Manipulation. *SIGCSE 2021* ([documentation](#))
- PhD Thesis: Harvesting Commonsense and Hidden Knowledge From Web Services ([pdf](#), [slides](#))
- Master Thesis: Automatic Summarization with *Deep Learning & NLP* ([pdf](#))
- Reviewer for CIKM, IJCAI, ESWC, Semantic Web Journal, ACL, TheWeb-Conference

Teaching

- Teacher at Télécom SudParis, Télécom Paris, and IPParis
- Supervision of student projects ([examples](#))
- Topics: Computer Science Fundamentals, AI, NLP, Big Data

Projects

- Explainable Job Recommendation (CIFRE)
- Medical Assistant (CIFRE)
- Explainable Financial Time Series Forecasting
- Large Scale Knowledge Extraction
- Extraction of Knowledge in Large Language Models
- Pyformlang : A Python library for formal languages
- Technical Consultant for Companies

Technical Skills

- Programming: Python (2014-2024), C/C++ (2013-2017), Scala (2014-2017), Java (2013-2024)
- Experience in NLP, A.I., machine learning, knowledge bases, information extraction, databases, semantic web, IoT, Git, Moodle
- Libraries: Spacy, NLTK, scikit-learn, NetworkX, TensorFlow/Pytorch, Flask, Hadoop/Spark, transformers
- DevOps/MLOps: Linux, Docker, Jenkins, Nginx, CI/CD