Léane Jourdan

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PROFILE

» PhD student in Natural Language Processing
» LS2N laboratory — Research Team: TALN

EDUCATION

🎓 **Since 10/2022** — **PhD in Natural Language Processing**
LS2N, Nantes University 📍 Nantes, France
» **Supervisors:** Richard Dufour, Florian Boudin & Nicolas Hernandez
  » **Topic:** Neural approaches for modeling and analyzing the argumentative structure of research articles
  » **Domains:** scientific writing assistance, text revision, rhetorical roles, argumentative analysis

🎓 **09/2020–07/2022** — **MSc Computer Science, NLP specialization**
Nantes University 📍 Nantes, France

🎓 **09/2017–07/2020** — **BSc Computer Science and Mathematics**
University de Nantes 📍 Nantes, France

PROFESSIONAL EXPERIENCE

📅 **01/2024–06/2024** — **NLP Research Intern**
National Institute of Informatics (NII) 📍 Tokyo, Japan
» **Laboratory:** Aizawa-lab — **Supervisor:** Akiko Aizawa
  » **Subject:** Language Models and their applications to assist human activities
  » **Domain:** Text media

📅 **09/2023–12/2023** — **Teaching assistant**
IUT Nantes 📍 Nantes, France
» (64h) Optimization methods for decision support, Mathematical modeling and Cryptography for Bachelor students

📅 **01/2023–02/2023** — **Teaching assistant**
Polytech Nantes 📍 Nantes, France
» (8h30) Natural Language Processing for Master students

📅 **01/2022–07/2022** — **Data Science Research Intern**
Orange Innovation 📍 Lannion, France
» **Research team:** Home & Financial Communication — **Supervisor:** Alya Itani
  » **Subject:** Analysis of behaviours and profiles of Orange Money's agents in Cameroun and lack of cash problem
  » **Domains:** data science, financial services, money distribution network

📅 **05/2020–07/2020** — **Intern in DUKe research team**
LS2N 📍 Nantes, France
» **Research team:** Data User Knowledge — **Supervisor:** Philippe Leray

» Contribution in the development of PILGRIM library: A C++ library for bayesian networks (usecases and functions)

PUBLICATIONS

» **Léane Jourdan**, Florian Boudin, Richard Dufour, Nicolas Hernandez: Identifying Reliable Evaluation Metrics for Scientific Text Revision *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (ACL 2025), Aug 2025, Vienna, Austria.*

» **Léane Jourdan**, Florian Boudin, Akiko Aizawa, Richard Dufour, Nicolas Hernandez: ParaRev : Building a dataset for Scientific Paragraph Revision annotated with revision instruction *Proceedings of the First Workshop on Writing Aids at the Crossroads of AI, Cognitive Science and NLP (WRAICOGS 2025),co-located with COLING 2025, Jan 2025, Abu Dhabi, UAE.*

» **Léane Jourdan**, Florian Boudin, Richard Dufour, Nicolas Hernandez: CASIMIR: A Corpus of Scientific Articles enhanced with Multiple Author-Integrated Revisions *The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024), May 2024, Turin, Italia.*

» **Léane Jourdan**, Florian Boudin, Richard Dufour, Nicolas Hernandez: Text revision in Scientific Writing Assistance: An Overview. *Proceedings of the 13th International Workshop on Bibliometric-enhanced Information Retrieval (BIR 2023), co-located with ECIR 2023, Apr 2023, Dublin, Ireland.*

RESPONSABILITIES

11/2022-12/2023   **Responsible for the organization of the team's reading group**
TALN research team

11/2022–07/2023   **Elected representative of the PhD. students at the doctoral school council**
Doctoral school MaSTIC N°641

2023   **Member of the organizing committee - ARTS workshop**
Workshop on the Analysis and Research of Scientific Texts, CORIA-TALN 2023
» (Fr: Atelier sur l'Analyse et la Recherche de Textes Scientifiques)

LANGUAGES

French native   **English** TOEIC L&R (Dec 2021): 990/990

PROGRAMMING SKILLS

▸ **Languages**   Python, C++, R
▸ **Libraries**   transformers (HuggingFace), NumPy, PyTorch, Pyplot, NLTK, spaCy, pandas, Scikit-learn
▸ **Tools**   LaTeX, Jupyter Notebook, Git Hub & Git Lab