Marc-Antoine Péguet

Natural Language Processing specialist

With a Master's degree in Natural Language Processing (2024), I conducted research on morphosemantics and lexical derivation through computational analysis of Russian suffixes. This work allowed me to develop expertise in derivational morphology, morphosyntactic analysis and distributional representations (word embeddings). I aim to pursue this research at doctoral level, with a particular interest in the computational modelling of word formation in a multilingual setting.

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https://github.com/MAPeguet

LANGUAGES

- French : Native language
- English : C1
- Russian : B1
- German : A2

HARD SKILLS

- Programming language : **Python**
- Libraries : **NLTK, Spacy, Pandas, Sickitlearn**
- WEB : **HTML, CSS**
- IDE : **Visual Studio Code, Jupyter**
- Data base : **SQL (MySQL)**
- Markup : **XML, LATEX, TEI**
- Others : **TXM (corpus analyses), Protege (ontology), BERTopic, Ollama**

OTHER WORK EXPERIENCE

Cashier

Supermarchés MATCH

Lure - France

Oct. 2024–Aug. 2025

July 2021–Jan. 2024

Apr. 2018–Jan. 2021

EDUCATION

Master's Degree in Foreign and Regional Languages, Literatures and Civilisations, specialising in Automatic Language Processing (with distinction)
Université de Franche-Comté, Centre de Recherches Interdisciplinaires et Transculturelle (CRIT)
2022–2024 | Besançon - France

Skills: Machine Learning, Deep Learning, NLP, Python, Transformers, Spacy, Sickitlearn, NLTK, Linguistics, SQL, dependency grammar, lexicography

First year Master's degree in French as a Foreign Language, specialization in Language and Education Policy and Digital Environments
Université de Franche-Comté, Centre de Télé-enseignement Universitaire
2021–2022 | Besançon - France

Skills: The French-speaking world, Linguistics, Didactics, language policy, creation of teaching units

Bachelor's Degree in Applied Foreign Languages (English – Russian)
Université de Franche-Comté, Sciences du Langage, de l'Homme et de la Société
2018–2021 | Besançon - France

Erasmus experience: University of Latvia (Riga, Latvia) from February to July 2021

Skills: English, Russian, translation, Economics, management, British civilisation, American civilisation, Russian civilisation

RESEARCH EXPERIENCE

Data Science & NLP Intern: Automatic Classification of Knowledge Domains in Lexicographical Entries
Laboratories ERIC (Université Lyon 2) & LIRIS (INSA Lyon)
Feb. 2024–Aug. 2024 | Bron - France
Supervised by Julien Velcin (ERIC) and Ludovic Moncla (LIRIS)

- Development and testing of automatic classification models (BERT) to identify areas of knowledge in the '*Dictionnaire Universel François-Latin de Trévoux*' (18th-century corpus).
- Implementation of supervised and semi-supervised approaches (constraint clustering, multi-level embeddings: word, sentence, article).
- Diachronic analyses comparing the 1743 and 1771 editions to study thematic and stylistic evolution.

Skills: Machine Learning, Deep Learning, NLP, Digital Humanities, Python, Transformers, word embeddings, BERT, BERTopic

Master's thesis : The morphosemantics of Russian suffixes: developing a digital resource from a paper dictionary
Université de Franche-Comté, Centre de Recherches Interdisciplinaires et Transculturelle (CRIT)
2022–2024 | Besançon - France
Supervised by Izabella Thomas and Yağmur Öztürk

- Linguistic analysis of nominal suffixation in Russian and its morphosemantic uses.
- Design and structuring of a digital dictionary listing Russian noun suffixes.
- Structuring lexicographical data to facilitate its digital exploitation in standard XML format.
- Participation at the Fête de la Science (2024) in Besançon as a presenter at the CRIT stand.

Skills: Morphosemantics, Linguistics, suffixation, Russian language, NLP, XML, Word-Formation