Viktor **Martinović, MA**

PhD Candidate | Computational Linguist | Data Analyst | International Relations

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Employment

Max Planck Institute for Evolutionary Anthropology	*Leipzig*
PhD Candidate	*October 2022 - September 2023*

- Creation of the database LoanDB for implementation, governance, and warehousing of research data in the CLDF standard.
- Development of the open-source Python library LoanPy for quantitative linguistic analysis.

Austrian Ministry of Foreign Affairs, Dept. for Southeast Europe	*Vienna*
Administrative Intern	Verwaltungspraktikant	*June - December 2019*

- Collection and preparation of information packages and briefing notes.

University of Vienna	*Vienna*
Research Assistant	*October 2017 - January 2018*

- Project management for the organization of conference dinners with four embassies.

Education

PhD in Computational Evolutionary Linguistics	*Vienna*
University of Vienna, Finno-Ugric Studies & Computer Science	*October 2018 - ongoing*

- Thesis: Process automation in loanword research.
- Training, evaluation, and comparison of LLMs, RNNs, and rule-based predictive models.
- Research stays in Helsinki (2019/20), Reykjavík (2021/22), and Leipzig (2022/23).

MA in Finno-Ugric Studies (Ø 1.5)	*Vienna*
University of Vienna, Finno-Ugric Studies	*January 2017 - June 2018*

- Thesis on the manual identification of Germanic loanwords in Hungarian.

Diploma in International Relations	*Vienna*
Vienna School of International Studies	Diplomatische Akademie	*October 2017 - June 2018*

- International and EU Law, Micro- and Macroeconomics, History, Politics.

BA in Hungarian Studies (Ø 1.6)	*Vienna & Paris*
University of Vienna & INALCO (Institut National des Langues et Civilisations Orientales)	*2014 - 2016 - 2017*

- Thesis on the history of Germanic loanwords in Hungarian.

High School Diploma with Honors (Ø 1.1)	*Vienna & Pannonhalma (Hungary)*
Schottengymnasium & Pannonhalma High School	*2005 - 2011 - 2013*

Skills

Natural Languages		Programming Languages		Tools	Soft Skills
Native	German	**Guru**	Python	Git, Docker	Analytical Thinking
C2	English, Hungarian	**Expert**	SQL, LaTeX	CircleCI, PyTorch	Problem Solving
C1	French, Croatian	**Intermediate**	R, bash	Jira, Confluence	Teamwork
B2	Finnish, Russian	**Beginner**	C++	ChatGPT, PowerPoint	Communication

Funding

Conferences Organised

2022   **Congressus XIII Internationalis Fenno-Ugristarum,** Attracted sponsorship of €10, 000

2021   **70. Studentische Tagung Sprachwissenschaft,** Core Organiser Team

2020   **Pre-Congressus XIII Internationalis Fenno-Ugristarum,** Communication

2019   **International Finno-Ugric Students' Conference XXXV,** Logistics

2018   **International Winter School of Finno-Ugric Studies (VI),** Event management

Presentations
* as Presenter

INVITED TALKS

January 7, 2025. *Computer-assisted methods for the detection/evaluation of ancient loanwords.* Seminar series Introduction to Historical-Comparative Finno-Ugric Studies, University of Vienna.

April 11, 2024. *Yukaghir loanwords in Uralic? Evidence for and against ancient contact.* Seminar series Linguistic Typology and Language Universals, Friedrich Schiller University Jena, Germany.

September 6, 2023. *Inferring language contact through rule-based computational borrowing detection.* Interdisciplinary Seminar Series on Human Diversity, Turku, Finland.

CONTRIBUTED PRESENTATIONS

Viktor Martinović, Tihomir Rangelov*. July 12, 2023. *Automatic detection of phonological adjustments in Bislama's lexicon of English origin.* Vanuatu Languages Conference, Port Vila, Vanuatu.

PARTICIPATION

July 23–28, 2019. 10th Global WordNet Conference, Wroclaw, Poland

CONFERENCE PRESENTATIONS

August 21–26, 2022, *Gothic loanwords in Hungarian? A case study of computer-assisted borrowing detection.* Congressus XIII Internationalis Fenno-Ugristarum, Vienna, Austria

November 12–20, 2021, *Workshop:* fənɛtɪk trænskraɪbərz ɪn ˈpaɪθən. *From orthography to IPA.* 70th Student Conference on Linguistics, Vienna, Austria

September 23–24, 2021. *Rule-based vs. machine learning models in automated borrowing detection.* The Seventh International Workshop on Computational Linguistics of Uralic Languages, Syktyvkar, Russia

September 6–8, 2021. *loanpy – a framework for computer-aided borrowing detection.* Protolang 7, Düsseldorf, Germany

February 23–26, 2021. *Loanpy: A framework for computer-aided borrowing detection.* 43rd Annual Conference of the German Society for Linguistics, Freiburg, Germany

November 19–22, 2020. *Towards a computer-aided framework for borrowing detection: Gothic loanwords in Hungarian?* 68th StuTS, Berlin, Germany

August 17–19, 2020, *Gothic-Hungarian lexical contacts.* Pre-Congress of Congressus XIII Internationalis Fenno-Ugristarum, Vienna, Austria

July 1, 2019, *Gothic loanwords in Hungarian? Computational approaches to borrowing detection.* Faculty-wide presentation at Dies Doctoralis of the Faculty of Philological and Cultural Studies, University of Vienna, Vienna, Austria

June 6–8, 2019, *Hungaro-Gothica: Are there Gothic loanwords in Hungarian?* 3rd Budapest Linguistics Conference, Budapest, Hungary

May 9–10, 2019, *Hungarian-Gothic contact?* Workshop of Linguistics Doctoral Students of Vienna German Studies and Friends, Vienna, Austria

Publications

Khuyagbaatar Batsuren, Gábor Bella, Aryaman Arora, **Viktor Martinovic**, Kyle Gorman, Zdeněk Žabokrtský, Amarsanaa Ganbold, Šárka Dohnalová, Magda Ševčíková, Kateřina Pelegrinová, Fausto Giunchiglia, Ryan Cotterell, and Ekaterina Vylomova. 2022. The SIGMORPHON 2022 Shared Task on Morpheme Segmentation. In Proceedings of the 19th SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology, pages 103–116, Seattle, Washington. Association for Computational Linguistics.

Martinović, Viktor. 2022. Converting Streitberg's Gothic Dictionary to a CLDF wordlist on a Windows System. Computer-Assisted Language Comparison in Practice 5(2). 11–21. https://doi.org/10.17613/0DF3-GM47.

Developed Software

LoanPy	A toolkit for various tasks in historical and contact linguistics.
Mutle	Wordle for the Mari language.
copius_api	A Python interface for various IPA-transcribers.