

Viktor Martinović

PHD STUDENT · COMPUTATIONAL HISTORICAL LINGUISTICS

University of Vienna

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Employment

Doctoral Researcher

MPI EVA, DEPARTMENT OF LINGUISTIC AND CULTURAL EVOLUTION

Leipzig

October 2022 - October 2023

- Modelling and simulating sound changes in horizontal transfers
- Inferring sound correspondence patterns in ancient and contemporary loanwords
- Computationally extracting and standardising information from dictionaries

Intern

AUSTRIAN FOREIGN MINISTRY, DPT. FOR SOUTHEASTERN EUROPE

Vienna

June 2018 - December 2018

- Documenting and analysing events in the Balkans region

Education

PhD Historical Linguistics

UNIVERSITY OF VIENNA, FINNO-UGRIAN DEPARTMENT

Vienna, Helsinki, Reykjavík, Leipzig

October 2018 - ongoing

- Advisors: Johanna Laakso, Johann-Mattis List
- Exploring new quantitative approaches in contact linguistics
- Developing Python library LoanPy for automated borrowing detection
- Informal modelling of lexical copying in synchronic and diachronic contexts
- Qualitative analysis of contact scenarios in multilingual societies

Diploma

VIENNA SCHOOL OF INTERNATIONAL STUDIES

Vienna

October 2017 - June 2018

- History, political science, and international relations
- International law and EU law
- Microeconomics and macroeconomics

MA Finno-Ugrian Studies

UNIVERSITY OF VIENNA, FINNO-UGRIAN DEPARTMENT

Vienna

2016 - 2018

- Advisor: Johanna Laakso
- Thesis on possible language contact between Gothic and Hungarian

BA Hungarian Studies

UNIVERSITY OF VIENNA, FINNO-UGRIAN DEPARTMENT

Vienna, Paris

2014 - 2016

- Thesis on the history of German borrowings in Hungarian

Developed Software

LoanPy

A Python package for building models based on lexical data and simulating loanword adaptation and historical sound changes:
<https://github.com/LoanpyDataHub/loanpy>

mutle

Wordle for the Mari language, playable at:
<https://mari-wordle.anvil.app/>

copius_api

A Python interface for various IPA-transcribers:
https://github.com/martino-vic/copius_api

Skills

NATURAL LANGUAGES

Native German
C2 English, Hungarian
C1 French, Croatian
B2 Finnish, Slovak
B1 Estonian, Icelandic
A1 Mari, Northern Saami

PROGRAMMING LANGUAGES

Advanced Python
Intermediate R, \LaTeX
Beginner C++

Funding

2019-2020	Finnish National Agency for Education , EDUFI Fellowship	€ 24, 000
2015-2016	Austria's Agency for Education and Internationalisation , Erasmus+ Scholarship	€ 6, 000
2014, 2015	University of Vienna , Merit-based Scholarships	€ 2, 000

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

Publications

Khuyagbaatar Batsuren, Gábor Bella, Aryaman Arora, **Viktor Martinović**, 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>.

Presentations

* *presenting author*

INVITED TALKS

6 September 2023. *Inferring language contact through rule-based computational borrowing detection*. Interdisciplinary human diversity seminar series, Turku, Finland.

CONTRIBUTED PRESENTATIONS

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

ATTENDANCE

23-28 July 2019. 10th Global WordNet Conference, Wrocław, Poland

CONFERENCE PRESENTATIONS

- 21-26 August 2022, *Gothic loanwords in Hungarian? A case study of computer-assisted borrowing detection*. Congressus XIII Internationalis Fenno-Ugristarum, Vienna, Austria
- 12-20 November 2021, *Workshop: fənetik trənskraibərz in 'paɪθən. From orthography to IPA*. 70. Studentische Tagung Sprachwissenschaft, Vienna, Austria
- 23-24 September 2021. *Rule-based vs. machine learning models in automated borrowing detection*. The Seventh International Workshop on Computational Linguistics of Uralic Languages, Syktyvkar, Russia
- 6-8 September 2021. *loanpy – a framework for computer-aided borrowing detection*. Protolang 7, Düsseldorf, Germany
- 23-26 February 2021. *Loanpy: A framework for computer-aided borrowing detection*. 43rd Annual Conference of the German Linguistic Society, Freiburg, Germany
- 19-22 November 2020. *Towards a computer-aided framework for borrowing detection: Gothic loanwords in Hungarian?* 68. StuTS, Berlin, Germany
- 17-19 August 2020, *Gothic-Hungarian lexical contacts*. Pre-Congress of Congressus XIII Internationalis Fenno-Ugristarum, Vienna, Austria
- 1 July 2019, *Gothic loanwords in Hungarian? Computational approaches to borrowing detection*. Fakultätsöffentliche Präsentation beim Dies Doctoralis der Philologisch-Kulturwissenschaftlichen Fakultät der Universität Wien, Vienna, Austria
- 6–8 June 2019, *Hungaro-Gothica: Are there Gothic loanwords in Hungarian?* 3rd Budapest Linguistics Conference, Budapest, Hungary
- 09-10 May 2019, *Hungarian-Gothic contact?* Workshop der Sprachwissenschaftlichen DoktorandInnen der Wiener Germanistik and friends, Vienna, Austria

Academic References

johanna.laakso@univie.ac.at	Thesis supervisor at University of Vienna
russell_gray@eva.mpg.de	Director at Max Planck Institute for Evolutionary Anthropology in Leipzig
tihomir_rangelov@eva.mpg.de	Collaborator at Max Planck Institute for Evolutionary Anthropology in Leipzig