Fedor Sizov

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Bio

I am Computational Linguistics Undergraduate at Saarland University. I have a strong interest in NLP and Computational Linguistics Research.

Education

Saarland University   Saarbrücken, Germany
Bachelor of Science in Computational Linguistics   *Oct. 2023 – Jun. 2026*

Russian University of Humanities   Moscow, Russia
Bachelor of Arts in Fundamental and Computational Linguistics   *Sept. 2019 – Oct. 2023*

MIPT Olympiad School   Dolgoprudny, Russia
Computational Linguistics   *Jul. 2017 - Aug. 2017*

XIX Summer School in Linguistics   Voronovo, Russia
Theoretical and Computational Linguistics   *Jul. 2017*

XVIII Summer School in Linguistics   Voronovo, Russia
Theoretical and Computational Linguistics   *Jul. 2016*

Experience

Software Engineer   July 2023 – Nov 2023
MillionAgents   *Moscow, Russia*

- Developed about 15 parsers in Python for collecting data from different retail store networks: some of parsers were written using requests/lxml, other involved Selenium and DOM scripting
- Introduced unit testing inside the company and added unit tests for majority of company's parsers
- Analyzed HTTP requests of Android applications using Burp Suite proxying and APK decompilation
- Updated and improved schemas in the company's PostgreSQL database
- Made updates to company's Django views

Back End Developer   June 2022 – Sep 2022
Yandex   *Moscow, Russia*

- As a part of monitoring and automation development group, I automated a range of hardware lifecycle scenarios such as upgrades and migrations

Projects

Time & Presupposition Support for DRT Extension of NLTK library   Oct 2021 - Jun 2022

- Debugged and enhanced an extension by (Kislev, Makarov, Li 2010) which adds time/presupposition support to nltk-drt within the DRT extension for NLTK, under the supervision of Ivan Rygaev.
- Future work: PR the contribution to the official nltk repository

Multidialectal corpus of the Mansi language   Jun 2018 – Sep 2019

- Participated in the development of multidialectal morphologically annotated corpus of Mansi language. The research was funded by the RFBR project 18-012-00833A "Dynamics of phonetical and grammatical systems of Ob-Ugric languages".

Morphologically annotated corpus for the Selkup language   Aug 2017 – Aug 2018

- With the help of scientists from the Institute of Linguistics, we developed a morphologically annotated corpus for the Selkup language. This involved employing finite-state transducers to annotate morphological structures. Under the guidance of Vladimir Plungian, a linguistics professor at Moscow State University and a full member of the Russian Academy of Sciences, our team contributed significantly to this endeavor.

Awards

Funding by the RFBR project 18-012-00833A   Aug 2018
Awarded by Russian Foundation for Basic Research

- Participated in research funded by the RFBR project 18-012-00833A "Dynamics of phonetical and grammatical systems of Ob-Ugric languages". As part of the work, a morphologically annotated corpus of Mansi language was developed (Zhornik, Sizov 2018).

Winner of the regional stage of the All-Russian Olympiad in German   Dec 2018

Scholarship for participants of XIX Summer School in Linguistics   Jul 2017
Awarded by Educational foundation "Evolution" (evolutionfund.ru)

- Won a scholarship from the educational foundation "Evolution" (evolutionfund.ru), which covered the costs of attending the XIX Summer School in Linguistics.

Prize winner in Olympiad of Higher School of Economics (Foreign Languages)   Mar 2017
Awarded by Higher School of Economics

Prize winner ofthe 'Intel-Avant-Garde' contest (Computer Science)   Feb 2017
Awarded by Higher School of Economics

Scholarship for participants of XVIII Summer School in Linguistics   Jul 2016
Awarded by Educational foundation "Evolution" (evolutionfund.ru)

- Won a scholarship from the educational foundation "Evolution" (evolutionfund.ru), which covered the costs of attending the XVIII Summer School in Linguistics.

Publications

1. D. Zhornik and F. Sizov. Linguistic variation and minor languages corpora: a case study of mansi dialects. In *Computational Linguistics and Intellectual Technologies: Proceedings of the International Conference "Dialogue 2018"*, May 2018

Technical Skills

Languages: Python, JavaScript, Bash, SQL, HTML, CSS, Dart, Kotlin, Perl, R, basic knowledge of C++, Java, Golang
Frameworks: Flask, Django, React, Vue.js
Databases: MongoDB, MySQL, Redis, PostgreSQL **Developer Tools**: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Vim
Libraries: nltk, NumPy, Matplotlib, requests, lxml