

Alexandra Ershova

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Education

University

2013–2017 **BS in Fundamental and Computational Linguistics**, *Higher School of Economics (NRU HSE)*, Moscow, Russia.
GPA: 8.62/10
Class rank: 10/66

Technical coursework

Information retrieval, Machine learning (MOOC), Algorithms, Relational databases, Distributed databases, Natural language processing, Text mining and data analysis (MOOC), Probability theory and statistics, Methods of data collection and analysis, Programming in Python, Programming in R, Linear algebra, Mathematical analysis, Natural language processing tools, Discrete mathematics and combinatorics

Technical skills

Programming languages	Python (main language; experienced), R (experienced), JavaScript (familiar), SQL (familiar), Bash (familiar)
Markup languages	XML, HTML/CSS, Latex, Markdown
DS/ML	scikit-learn, TensorFlow, Pandas, NumPy
VCS	Git, Mercurial
OS	Linux, Windows
Other	regular expressions, Flask, Django

Experience

Work

Nov-Dec 2017 **Computational linguist**, *Metrix.AI*, Moscow.
Worked on text processing and topic modeling.

Jul-Sep 2017 **Django developer**, *RGSoc-2017 intern for JoopeA Foundation*.
Worked on internationalization for joopea.club.
Project: <https://bitbucket.org/melanoya/jclub.public-rgsoc>

Teaching

July 2017 **Computational linguistics teacher**, *MIPT Summer School*.
Curriculum: <https://github.com/religofsil/mipt-summer-school>

April 2017 **"Introduction to Computational Linguistics"**, *Kurilka Gutenberga*.
Lecture: <https://youtu.be/3OjdArY5SNE>

Jan-Apr 2017 **Chatbots Reading Group, NRU HSE.**

Organiser, lecturer.

Study projects

2017	Chatbot Based on Sequence-to-Sequence Neural Network	<i>Thesis</i>
2016	Telegram bot @tedcombot	<i>Team project</i>
	Thai web corpora	<i>Team project</i>
	Ladino spellchecker using supervised ML (SVM)	<i>Personal coursework project</i>
	Database for syntactic constructions	<i>Team project</i>

Extracurricular activities

November 2017	Web Summit
2016-2017	AlfaFactory: Alfa-Bank BPM and Pega School
November 2016	Microsoft DevCon School: Machine Learning
September 2016	Data Fest: Data Science and Machine Learning Scientific Conference
September 2016	Microsoft DevCon School: Cognitive Services
2015-2016	Volunteering for Lomonosov Academic Tournament
2015	Participation in Second Summer Neurolinguistics School "Language and Brain Pathology" (NRU HSE)
	Participation in Student Conference of Institute for Linguistics (Russian State University for the Humanities)
2014	Participation in Summer Neurolinguistics School "Introduction to Contemporary Neurolinguistics" (NRU HSE)

Languages

Russian	Native speaker
English	C1/C2
Hebrew	B1
French	B1

Interests and hobbies

Casterboarding
Playing synthesizer
Checkers
Science fiction