

# ELENA SHAKUROVA

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## WORK EXPERIENCE

<i>NPO-Progress</i>	<b>2016–Present Junior Python Developer</b> Responsibilities: Writing scripts on Python, applying machine learning algorithms for text classification, writing rules for text mining and fact extraction, web-crawling, writing documentation, working with relational data bases
<i>TT-Consult</i>	<b>2015–Present Web-developer</b> Web site using PHP and JavaScript Responsibilities: Editing content, debugging code and re-designing web page; search engine optimisation.

## EDUCATION

<i>National Research University Higher School of Economics</i>	<b>2013–2017 Bachelor, Computational Linguistics</b> GPA: 3.45/4.00 · Class rank: 12/66 Courses: Computer Tools for Linguistics Research · Discrete Mathematics · Programming (Python) · Linear Algebra and Mathematical Analysis · Web-Design · Mathematics for Linguists · Programming (R) · Theory of Algorithms · Automatic Natural Language Processing · Databases Information Retrieval.
<i>University of Helsinki</i>	<b>2015–2016 Exchange Student</b> GPA: 3.48/4.00 Courses: Programming and Natural Language Processing (NLTK) · Morphological Processing Tools (HFST).
<i>Coursera</i>	Courses: Probability (Penn University) · Machine Learning (Stanford University).

## COMPUTER SKILLS

<i>Languages</i>	<b>Python</b> (NLTK, Flask, Numpy, Pandas, Sikit-learn, Scrapy, SQLite, SQLAlchemy), R
<i>Web-design</i>	HTML, CSS, PHP, JavaScript
<i>Databases</i>	MySQL, MongoDB, PostgreSQL, Elasticsearch
<i>NLP instruments</i>	PRAAT, ELAN
<i>Version Control</i>	git
<i>Other</i>	L <sup>A</sup> T <sub>E</sub> X, command line, MS Office, Linux

## PROJECTS AND EXPERIENCE

**2015 - 2016 Coursepaper: Semantics of degree for qualities: instrument of a quantitative typological research**

*NRU HSE* I developed a program that analyses the distribution of adjectives, creates tables and draws graphics. Interaction with the user interface has also been created. Using results of this program I proved the hypothesis that adjectives like wet, damp, humid differ not only in the degree for qualities. The study was carried out for 3 languages: Russian, English, German. The programme is written using Python. Code and results could be found here:  
<https://github.com/Shakurova/ngrams>

2016 Group Project: **Universal Dependencies**

*NRU HSE* I helped to create documentation of Treebank for Russian language.

2016 Group Project: **Splitter**

*NRU HSE* I developed a program that makes segmentation of corpora of fiction literature. The program is written using Python.

2016 **Russian Learner Corpora of German speaking Students**

*NRU HSE* On the base of my last year coursepaper I created a corpora of Mistakes in Russian as a foreign language using python and Elastic Search. Code could be found here: <https://github.com/Shakurova/elasticsearch-python>

#### OTHER INFORMATION

*Certificates* **University of Helsinki** · Certificate of completion the Language Center Course Assistant programme in Russian language teaching

**Humboldt Universitat** · Semi-intensive German language course, A2

**NRU HSE** · 3d degree certificate, Competition in Computational Linguistics

*Conferences* **2015** · Moscow City Teacher Training University (Moscow), "Semantic range of Russian verbs *soblaznyat'*, *prel'shchat'*, *privlekat'*, *prityagivat'*, *vlech'*, *manit'*"

**2016** · NRU HSE (Nizhnyj Novgorod), "Instrument of Quantitative Typological Research"

*Languages* Native · Russian  
 Advanced · English  
 Intermediate · German, French  
 Basic · Spanish, Finnish

Familiar · Russian Sign Language, Indonesian, Italian, Latin

*Interests* Programming · Web-design · Travelling · Music · Psychology · Literature

October 15, 2016