https://github.com/ana-kuznetsova

ANASTASIA KUZNETSOVA

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EDUCATION

Indiana University, Bloomington   *September 2019 - Present*
PhD student majoring in Computational linguistics
with minor in Computer Science   GPA: 92.43

NRU Higher School of Economics   *September 2017 - July 2019*
Master   GPA: 8.98 (10-point scale)
Computational linguistics

Russian State University for the Humanities   *September 2013 - July 2017*
Bachelor   GPA: 4.98 (5-point scale)
Social Anthropology

CARRIER OBJECTIVE

Gain experience working in research related to speech processing technologies in a low-data setting, e.g. with low-resourced languages.

PROJECTS

Speaker Identification system with Siamese network
Speaker Identification system for Spanish using one-shot approach with Siamese neural networks. The approach is based on the distance between speaker embeddings.

BPE weighting of morphological analyser for Paraguayan Guaranai
Weighting of the morphological analyser based on finite-state technology using Byte Pair encoding algorithm.

Curriculum learning for low-resourced languages
Automated-speech recognition for Breton language using curriculum learning approach.

Named Entity Recognition for Russian Popular Science corpora
Rule-based entity extraction.

Morphological Disambiguation for Paraguayan Guaraní
Morphological disambiguation task is being completed by using rule-based technology.

Machine Translation for Guarani–Spanish language pair
Google Summer of Code project for Apertium Open Source machine translation platform focusing on under-resourced and marginalized languages.

TECHNICAL STRENGTHS

Programming languages	Python, Bash
Frameworks & Packages	Tensorflow, Kaldi, HFST, NLTK, Sklearn, other NLP packages

WORK EXPERIENCE

Indiana University, Bloomington
2019
Graduate Research Assistant

· Research in technologies for low-resourced languages.

Mobile Telecom Systems, Artificial Intelligence Department
2019
Developer

· Developing NLP tools for linguistic systems.

Russian State University for the Humanities
2015 – 2016
Department Assistant

RELATED COURSES

Second Programming language: C++	Spring 2020
Reinforcement learning	Spring 2020
Deep Learning for speech processing	Fall 2019
Advanced Natural Language Processing	Fall 2019
Seminar in Computational Linguistics	Fall 2019

EXTRA-CIRRUCULAR

Google Code-In
2018, 2019
Mentor for Apertium

· Mentoring for Apertium Open Source organization. Helped younger students in completing coding tasks.

Google Summer of Code
2018
Student Developer in Apertium

· Developed machine translation system for Guarani–Spanish language pair.

PERSONAL TRAITS

Highly motivated and eager to learn new things.
Strong motivational and leadership skills.
Ability to work as an individual as well as in group.