

Anton Ermilov

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EDUCATION

- **Higher School of Economics**, MSc in Informatics Sep 2020 – Present
Major in Machine Learning
- **Higher School of Economics**, BSc in Applied Mathematics Sep 2016 – June 2020
Graduated with distinction, GPA: 9.4/10

EXPERIENCE

- **Software Engineer at Yandex.Cloud** Oct 2019 - Present
Working in ML & AI team on [SpeechKit](#) project. My responsibilities:
 - Developing, maintaining and deploying ASR backend (all components of STT server, STT proxies)
 - Implementing, training and improving quality of ASR models (both streaming and transcription)
 - Researching new approaches to ASR (multilingual recognition, better real-time recognition)
 - Preparing and maintaining crowdsourcing projects on the [Yandex.Toloka](#) platform
 - Developing tools for automation and simplification of many work processes
 - Mentoring a group of 2 junior developers*Skills: C++, Python, PyTorch, Go, SQL, Docker, Linux*
- **Data Scientist & Software Engineer at Soter Analytics** May 2018 - Sep 2019
 - Implemented an algorithm that detects dangerous movements via analysing data from wearable device sensors and predicts the risk of back injuries for manual handling workers
 - Built a model for clustering workers by type of their activity based on the data retrieved from devices
 - Developed a hub to download data from company's devices via BLE and upload it to the remote server*Skills: C, Python, SQL*

PROJECTS

- **Collecting parallel corpus for Grammar Error Correction (BSc thesis)** Python
Explored the unsupervised method of collecting and annotating parallel corpus for GEC task based on extracting user edits from the editing history of scientific articles.
- **Article Writing Assistant** Python, PyTorch
Worked on the implementation of an assistant for finding and correcting domain-specific terms and phrases when writing articles for scientific conferences.
- **Factorized MultiClass Boosting** Java, Python
Worked on the implementation of a new [gradient boosting approach](#) to the multiclass classification problem, as well as on the implementation of the [benchmark](#) to compare our approach with other popular solutions.
- **Humor Detection in Russian** C++, Python
Investigated the problem of humor detection in Russian language. Worked on collecting data, as well as on building classifiers for this task.
- **Nonograms** Android, C++, Python, SQL
Developed an Android app for solving, creating and sharing nonograms (Japanese crosswords). Also worked on converting images from the gallery to nonograms.

PUBLICATIONS

- **Stierlitz Meets SVM: Humor Detection in Russian**
A.Ermilov, N. Murashkina, V. Goryacheva, P. Braslavski
Conference on Artificial Intelligence and Natural Language, 2018 - Springer

ACHIEVEMENTS

- **ICPC World Finals 2019**
66th place out of 131 teams