Kirill Gelvan

 Kirili4ik

EDUCATION

Sep. 2017 - June 2021	**Bachelor of Computer Science, GPA: 8.1/10.0** – **Major**: Applied Mathematics and Computer Science – **Selected courses**: DL, DL for Audio, NLP, GANs, Large Scale ML *National Research University Higher School of Economics, Moscow*

WORK EXPERIENCE

Mar. 2022 - Present	**NLP Engineer @ iFriend.ai** – Implemented and integrated a model for generating questions on previous day dialog, resulting in an 8% increase in ARPU – Replaced rule-based classification with a distilled and quantized BERT-like model, which improved quality while maintaining roughly the same throughput – Used Python, Transformers, DVC, git
Nov. 2021 - Mar. 2022	**Junior NLP Engineer** – Researched Few-Shot approaches to NER task, achieved SOTA results and wrote a blog post about it – Trained various models (BERT, Longformer, T5) for business projects – Used Python, Pytorch Lightning, Transformers

PROJECTS

Jan. 2022 - Dec. 2022	**Russian telegram bot for dialogue summarization** – Led a team of 3 students: provided the idea and theoretical background, assigned tasks, demonstrated best practices – Created a telegram bot based on mBART model – The project has achieved full sustainability and currently receives over 1,000 requests daily *Educational Center "Sirius", Sochi*
July 2020 - July 2021	**A study of Transformers for symbolic mathematics** – Wrote a bachelor thesis researching ways to utilize structure of math expressions in the Transformer architecture – Used Python, Pytorch, Docker *Samsung-HSE laboratory*

TEACHING EXPERIENCE

Sep. 2021 - Present	**Practical sessions leader on Deep Learning using Pytorch** *HSE Introduction to Deep Learning, Applied Deep Learning*
Feb. 2020 - Mar. 2022	**Creator and manager of DS and ML online courses** *HSE Introduction to DS, Introduction to ML, Modern ML methods*
Sep. 2019 - July 2021	**Teaching assistant on multiple ML bootcamps** *Sberbank Corporate University, Higher School of Economics*

TECHNICAL SKILLS

Programming:	Python, SQL, C++, C
ML/DL:	PyTorch, NumPy, SciPy, pandas, scikit-learn, Spark, TensorFlow, Keras
Applications:	git, bash, LaTeX