Evgenia Komleva

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Have UK work permit visa

Developer with 3+ years of R&D experience in deep learning and its applications. Worked a lot with natural language processing (NLP), computer vision (CV) and multimodal models.

EXPERIENCE

ABBYY   Moscow
NLP Engineer   Part-time, Mar 2021 - Jan 2023
• Model fine-tune in **https://www.abbyy/flexicapture/**
• Clustering queries using BERT and different linear models
• Date and person recognition
• Multi-Page Document Classification
• Solved Visual Question Answering task with different models: OFA, mDETR, CLIP+YOLOR

DRIVECAST   MOSCOW
Middle Computer Vision Engineer   Part-time, Sep 2020 - now
• Deployed Python API This is a sample text in blue.for transform 2d human pose to 3d
Impact : You can see demo here: **demo**
• Detection of safety equipment at work (masks, helmets, gloves)
Impact : Research papers, fine-tune YOLOv5, demo is available here: **https://youtu.be/9DaAAI1OT8s**
• Make custom object recognition model using YOLOv5
• Race car team identification from helicopter video and team identification
• Experience with general machine learning tools to build models and analyze data using Python

ROSSELKHOZBANK   Moscow
Research Intern   Part-time, Jul 2020 - Mar 2021
• Solved the problem of pre-moderation of the text using the model BERT
•Solved the problem of pre-moderation of images using the model Resnet-50
• Designed a model to predict churn

EDUCATION

MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY   Russia, MOSCOW
Bachelor of Computer Science specialization in Artificial Intelligence   Aug 2017 - Aug 2021
Thesis: Sentence Simplification for Russian using Transfer Learning

SKOLTECH   Russia, MOSCOW
Master's degree specialization in Data Science   Aug 2021 - Aug 2023

MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY   Russia, MOSCOW
Master of Computer Science specialization in Artificial Intelligence   Aug 2021 - Aug 2023

PUBLICATIONS

• A Differentiable Language Model Adversarial Attack on Text Classifiers **https://ieeexplore.ieee.org/document**
• Sentence Simplification for Russian using Transfer Learning **http://www.dialog-21.ru/komlevaepplusanastasyevdg157.pdf**
• Human pose estimation (page 284) **https:/compressed2.pdf**

PROJECTS

• Text Simplification using mBART network https://github.com/EvgeniaKomleva/SimplifyWithMuss.git
• Style Transfer Bot https://github.com/EvgeniaKomleva/StyleTransferBot

SKILLS

• **Sciences:** ML, DL, probability theory, linear algebra
• **Programming Languages:** Python, C/C++ , SQL, LaTeX
• **Other Technologies:** PyTorch, TensorFlow, Keras, GIT, numpy, scikit-learn, pandas, matplotlib

ACHIEVEMENTS

- 3 place in Toloka Visual Question Answering Challenge (WSDM Cup 2023) — Jan 2023
https://codalab/competitions/7434
- **Victory in the competition of scientific works** (https://conf.mipt.ru/conference-total) — November 2020
- **Deep Learning School** (2nd degree) https://drive.google.com/diplom — Sep 2020 - Jan 2021

TEACHING

- **Teaching Assistant** at Moscow Institute of Physics and Technology — October 2022-Now
Deep learning for NLP course
- One of the ML **course writers** https://youtu.be/tiser — Sep 2020 - Jan 2021