KONDRATIEV ZAKHAR

Zakoden   @ zakhar.kondr1@gmail.com   Moscow, Russia   zakoden

WORK EXPERIENCE

Intern ML developer
Yandex

June 2021 – September 2021   Remote/Moscow

- Researched algorithms for training audio processing models on unlabeled data
- Improved the quality of predictions for some categories based on the data analysis

Assistant-engineer
Huawei

July 2020 – September 2020   Remote

- Researched algorithms for data serialization
- Implemented my own version of algorithm and compared it with analogues
- Worked with technologies like Google Test and Google Protobuf

PROJECTS

Natural Language Processing (NLP)
Several courseworks

- Conducted research on transformers in natural language inference (NLI) task
- Implemented self-explaining mechanism and incorporated knowledge graph into BERT-like model.
- Prepared data and trained a discriminator for a chatbot based on GPT-2

Computer Vision (CV)
Thesis work

- Improved quality of pixel art generation using StyleGAN2-ADA with data specific modifications

Other

- Completed a course on DL in Audio, including small projects such as implementing from scratch and training models like DeepSpeech, FastSpeech2 and HiFi-GAN (for ASR/TTS tasks)
- Explored and implemented different attention mechanisms through a research project

SKILLS

Python	4 years of experience, ML/DL/university tasks worked with PyTorch, NumPy, SciPy, Pandas, Numba and other libraries
C++	3 year of experience, projects, olympiads
C, Assembler	1 year of experience, university course, training projects

Algorithms and Data Structures   Machine learning   NLP   CV

Git   LaTeX   Linux   Bash   Docker

EDUCATION

Bachelor in Applied Mathematics and Computer Science
Higher School of Economics, Moscow Faculty of Computer Science

September 2019 - June 2023

GPA: 9.03

ADDITIONAL EDUCATION

Several YSDA DL courses

2021-2023   Yandex, Moscow

Tinkoff Generation ML/DL courses

2020   Tinkoff, Moscow

Summer Informatics School
Studied algorithms and data structures

July 2018   Kostroma Oblast

Educational program, Sirius
Program in mathematics and computer science

May 2018   Sochi

ACHIEVEMENTS

- **2019 Russian National Olympiad in Informatics, diploma** (Final)
- **2019 Russian National Olympiad in Mathematics, participant** (Final)
- **10+ diplomas of olympiads in mathematics and informatics** (All-russian olympiads)

LANGUAGES

Russian	Native
English	Intermediate