Akhmadjonov Mumtozbek

Github: @mumtozee
LinkedIn: Akhmadjonov Mumtozbek

Email : oltinsahifa@gmail.com
Mobile : +7 (925) 662-52-01
Telegram: @imumtozee

EDUCATION

Moscow Institute of Physics and Technology — Moscow, Russia
BSc in Applied Math and Computer Science — *Sept. 2019 – Aug. 2023*

Moscow Institute of Physics and Technology — Moscow, Russia
MSc in Computer and Data Science — *Sept. 2023 – Aug. 2025*

EXPERIENCE

Yandex Technologies — Moscow, Russia
Intern ML Developer — *Sep 2023 - Present*

- **ASR using LLMs**: Improving the quality of automatic speech recognition using large language models.

DeepPavlov — Moscow, Russia
Junior Researcher — *Sept 2022 - June 2023*

- **Automatic Dialogue Graph Construction**: Developed approaches to evaluate the method on different dialogue datasets. Co-authored a paper accepted to AINL 2023.
- **User feature extraction & inference from dialogues**: Outperformed the approach described in the article in user attribute extraction with SOTA transformer architectures.

DeepPavlov — Moscow, Russia
Research Intern — *Feb 2022 - May 2022*

- **Controllable Generation**: Achieved a similar performance with DialoGPT using special tokens compared to the approach leveraging projected attention layers to control different dialogue attributes. Reviewed dozens of articles on the related topics on ArXiv.

TECHNICAL SKILLS

- **Languages**: Python, C, C++, Java, JavaScript

- **Technologies**: PyTorch, HuggingFace Transformers, scickit-learn, numpy, pandas, matplotlib, seaborn, Keras, ReactJS, Git, Kubernetes, Docker, MapReduce (YTsaurus, Hadoop)

- **Knowledge**: Classical ML, DL, Statistics & Probability Theory, Convex Optimization

PUBLICATIONS

- **Neuroinformatics 2022 NN workshop**: Presented a poster describing controllable DialoGPT.
- **XXV International Conference on Neuroinformatics**: Co-authored a conference paper about dialogue response selection enhancement using conversational graphs.

PROJECTS

- **Controllable DialoGPT**: Flask API to connect to a chat client that uses the model trained in this notebook.
- **AlgosML**: Classical ML & DL algorithms' implementations from scratch.
- **Custom STL**: My own collection of algorithms and data structures implementations with C++ templates.

ACHIEVEMENTS

- **Tinkoff & MSU Math Contest 2021**: winner diploma
- **Open Doors 2023 International Student's olimpiad Math & AI**: winner diploma
- **Open Doors 2023 International Student's olimpiad CS & DS**: winner diploma
- **Skolkovo Hack 2022**: Top-4 with team "ProDaters"

LANGUAGES

- **Uzbek**: Native   **Russian**: Bilingual proficiency   **English**: Advanced (C1)   **Spanish**: Elementary (A2)

Job Interests

- **Data Science & Machine Learning Engineer/Researcher**: NLP, Conversational AI, Generative models (GPT family)