

Akhmadjonov Mumtozbek

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EDUCATION

- **Moscow Institute of Physics and Technology** Dolgoprudny, Moscow Oblast', Russian Federation
Phystech School of Applied Mathematics and Computer Science Sept. 2019 – present
- **Academic Lyceum of Westminster International University in Tashkent** Tashkent, Uzbekistan
High School; GPA: 5.00 / 5.00 Sept. 2017 – June. 2019

EXPERIENCE

- **DeepPavlov** MIPT, Dolgoprudny
Research Intern Feb 2022 - May 2022
 - **Controllable Generation:** Conducted research on controllable generation in dialogue models (DialoGPT) using special tokens and projected attention layers (PALs) controlling different dialogue attributes. Reviewed dozens of articles on corresponding topics on ArXiv.

RESEARCH INTERESTS

- **NLP:** Generative models (GPT family)

PROJECTS

- **Controllable DialoGPT:** https://github.com/mumtozee/InnPrac2022/blob/main/baseline/main_notebook.ipynb
- **Poem Generation using LSTM:** Comparison of Vanilla RNN and LSTM in Shakespeare poem generation: <https://github.com/mumtozee/PoetryGenerationLSTM>
- **Custom STL:** My own collection of algorithms and data structures implementations in templates: <https://github.com/mumtozee/CustomSTL>
- **AI Debates (front-end):** A web application for AI powered discussions: <https://github.com/mumtozee/AiDebates>
- **Space Shooter:** A 2D shooter game on PyGame engine: <https://github.com/mumtozee/SpaceShooter>
- **All other projects:** My github: <https://github.com/mumtozee/>

PROGRAMMING SKILLS

- **Languages:** Python, C, C++, Java, JavaScript, x86
- **Technologies:** PyTorch, HuggingFace Transformers, scikit-learn, numpy, pandas, matplotlib, seaborn, Keras, ReactJS

LANGUAGES

- **Uzbek:** Native
- **Russian:** Proficient
- **English:** Advanced (C1)

JOB INTERESTS

- **Machine Learning Researcher:** NLP