Evgenii Kortukov

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EDUCATION

University of Tübingen   Tübingen, Germany
*M.Sc. in Machine Learning; **GPA: 1.17/1.00***   *Oct 2021 – Present*

Lomonosov Moscow State University   Moscow, Russia
*B.Sc. in Fundamental Informatics and Information Technology; **GPA: 4.78/5.0***   *Sep 2016 – Jun 2020*
- Diploma with Honours. Thesis: Finding similar supercomputer applications using structural pattern recognition methods.

RESEARCH EXPERIENCE

Tübingen AI center   Tübingen, Germany
*Student Research Assistant, **Scalable Trustworthy AI group***   *Jun 2023 – Present*
- Master thesis: Evaluating Interpretability Benefits of Retrieval Augmentation In Large Language Models
- Contributed to a qualitative study on ML practitioners' views of training data attribution methods, with findings submitted to NeurIPS 2023 Workshop XAIA.
- Supervisors: Seong Joon Oh, Alexander Rubinstein and Elisa Nguyen

University of Tübingen   Tübingen, Germany
*Student Research Assistant, **Decision Making Group***   *Oct 2021 – Jan 2023*
- Worked on a project extending the contextual multi-armed bandit problem to the settings of distribution shifts and costly information acquisition [2]. Code is available here.
- Designed a numerical evaluation environment to model the application of multi-armed bandit algorithms to a large-scale recommender system [1]. Code is available here.
- Supervisors: Prof. Dr.-Ing. Setareh Maghsudi and Saeed Ghoorchian

WORK EXPERIENCE

Yandex   Moscow, Russia
*Software Developer, **Storage Engineering Department***   *Feb 2019 – Jun 2021*
- Automated and enhanced storage cluster management system, responsible for data recovery, load balancing, and background processes that maintain fault-tolerance, robustness, and availability. This reduced time of human intervention more than tenfold, making the storage more scalable.
- Co-developed a distributed system that makes storage more scalable through managing metadata in a separate database.
- Upgraded and extended the storage statistics collection process from backend to frontend (using C++, Python, and JavaScript).

Higher School of Economics   Moscow, Russia
*Intern Data Analyst, **Cognitive Psychophysiology Laboratory***   *Aug 2018 – Jan 2019*
- Developed a data preprocessing and analysis pipeline for a psychophysiological experiment (using MATLAB and Python).

PROJECTS

Tübingen AI Exhibition   Tübingen, Germany
                                                                             Aug 2022 – Feb 2023
- Developed and built an interactive museum exhibit showing and explaining an open-source text2image model to the Tübingen public as part of a team practical project (using Diffusers library, PostgreSQL, and a React frontend).
- The code for the exhibit is available here. Information about the exhibition is available on its website.

TEACHING EXPERIENCE

Trustworthy ML   Tübingen, Germany
Teaching Assistant   *Oct 2023 – Present*
- Created homework sheets for the part of the lecture on Explainability and held tutorials.
- Course website

Skills

Technical: Deep Learning, NLP, Explainable AI, Classical ML, GNU/Linux, Databases, Git

Programming: Python, Pytorch, Huggingface, C++, MATLAB.

Languages: English (Professional, IELTS 8.5), German (B2).

Publications

[1] Saeed Ghoorchian, **Evgenii Kortukov**, and Setareh Maghsudi. Bayesian non-stationary linear bandits for large-scale recommender systems. https://arxiv.org/abs/2202.03167, 2023.

[2] Saeed Ghoorchian, **Evgenii Kortukov**, and Setareh Maghsudi. Online learning with costly features in non-stationary environments. https://arxiv.org/abs/2307.09388, 2023.