

# Donskov Dmitry

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## WORK EXPERIENCE

### Google / DeepMind (Gemini post-training)

*Senior Software Engineer*

Feb. 2024 – Present

Zürich, Switzerland

- Led e2e development and currently own the Traffic Classification Platform for the Gemini App, which makes it easier to launch product features to users and powers traffic analysis
- Identified headroom and improved factuality accuracy on Fact seeking and Freshness slices by >10%
  - Collected SFT data + conducted SFT experiments
  - Improved retrieval flows to extract additional metadata
  - Collected RM / RL data + retrained RM + conducted experiments with the RL recipe
- Improved retrieval quality by enabling multi fanout search, which unblocked other model quality improvements

**Keywords:** cross-team collaboration, SFT, RLHF, Data preparation, Python, C++

### Google

*Software Engineer*

Dec. 2018 – Jan. 2024

Zürich, Switzerland

- I was responsible for the end-to-end development of numerous projects (brainstorming > designing > planning > experimenting > implementing > evaluating). Examples of the projects I was working on:
  - Enhanced different parts of ML-driven ranking systems
  - Improved quality of the Google Assistant by introducing/improving various ML models (classification, clusterization)
  - Developed platforms for training and deploying ML models on server and on-device
  - Enhanced data pipelines and implemented continuous end-to-end evals

**Keywords:** ML, ML System design, Python, C++

### Yandex

*Software Engineer*

Sep. 2016 – Nov. 2018

Moscow, Russia

- I was responsible for conducting experiments and evaluating launches. As a part of the ML quality team I developed/improved different parts of the recommendation system, ranking and clusterization for Yandex News and Yandex Search.

**Keywords:** AB tests, Live Experiments, offline/online metrics, statistics, ML, Python, C++

## EDUCATION

### Moscow Aviation Institute (National Research University)

*Master's degree in Information Technology*

March, 2016

Moscow, Russia

- **GPA: 4.56/5**