

MEKHON BOBOKHONOV

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Summary

AI researcher and engineer with 3 years of experience building scalable, high-impact machine learning systems across **LLM**, **Computer Vision**, and **AGI-aligned** research. Quick learner, hard worker, and ambitious.

Education

EPFL (École polytechnique fédérale de Lausanne) **Sep. 2022 – Aug. 2024**
Master's degree in Data Science, GPA: 5.25 / 6.0 *Lausanne, Switzerland*

Moscow Institute of Physics and Technology **Sep. 2018 – Jul. 2022**
Bachelor of Applied Mathematics and Computer Science, GPA: 4.77 / 5.0, Diploma with honours *Moscow, Russia*

Work Experience

3 years

Gitto AI **Sep. 2024 – Present**
AI Research Scientist *Lausanne, Switzerland*

- Researched and developed models with human-like abstraction and reasoning (**LLM**, **RL**, **Decoding**).
- One of the main contributors to a model achieving **Top 2 out of 1,456 teams** on ARC-AGI 2 (Kaggle 2025) with **27.08%** vs. Top 1 at 27.64% (for the reference, GPT-5 Pro achieves **18.3%** and Grok-4 **16%**).
- Led design of a test-time training framework boosting ARC-AGI-1 (Kaggle 2024) benchmark performance from 11% to 35% (+**24** pts), contributing to Giotto.ai's **Gold Medal**, **Top 0.8%** globally (1,428 teams).

Yandex **Aug. 2022 – Sep. 2023**
Middle Machine Learning Engineer, Special Search Projects team *Remote*

- Enhanced user safety on Yandex.Search by building and deploying **NLP** models to filter harmful and sensitive content.
- Achieved a **92%** reduction in harmful material for suicide-related queries and significantly improving user trust and search experience.
- Built a high-performing autocomplete filtering model to detect and remove inappropriate or sensitive suggestions (e.g., related to drugs or self-harm), reaching **88%** recall and **86%** precision.
- Contributed to the design and implementation of a data collection pipeline for training a **SearchGPT**-style conversational AI model, enabling more natural, context-aware search interactions.

Yandex **Jul. 2021 – Oct. 2021**
Data Scientist Intern, Search Anti-Fraud team *Moscow, Russia*

- Developed and deployed bot-detection models that reduced automated traffic load on Yandex Search, improving system efficiency and resource utilization.
- The model successfully detected and prevented over **4 million** robots in Yandex search.

Projects

AI Tutor for EPFL Courses **Feb. 2023 - May 2023**

- Trained a specialized **LLM** AI tutor for EPFL courses, following a process similar to training modern AI chatbots like ChatGPT.
- Developed and fine-tuned a **reward model**, integral for implementing the **RLHF** technique.
- Trained the AI tutor using a simplified version of **RLHF** based on collected supervised demonstrations.

Achievements

ARC-AGI 1 – Gold **2024**
• Kaggle Competition – Top **0.8%** out of 1,428 teams globally. One of the most challenging AGI benchmarks.

International Mathematics Competition for University Students (IMC) – Gold medal **2022**
• 663 participants from 97 universities in 2022. The most prestigious mathematics olympiad for students. *Bulgaria*

International Mathematical Olympiad (IMO) – Bronze medal **2018**
• 600 participants from 100 countries. The most prestigious school olympiad in mathematics. *Romania*

Technical Skills

Programming Knowledge: Python3, SQL, Git, PyTorch, Pandas, NumPy

ML Knowledge: AI, NLP, Classical ML, Deep Learning, Computer Vision, RL

General Knowledge: Algorithms and Data Structures, Probability Theory and Statistics, Linear Algebra, Calculus