

Pavel Goldman-Kalaydin

Berlin, Germany • kalaidin.github.io/

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Experience

Sumsub (a verification platform), as Head of AI, 2022 — now

Berlin, Germany

At Sumsub, I oversee the development of technologies for preventing financial fraud. Since 2023, I have also been focusing on AI compliance.

Highlights

Launched deepfake detectors for [KYC](#) and [video identification](#).

Open-sourced [models](#) for synthetic image detection.

Significantly automated and improved internal processes, from document understanding to labeling.

Tinkoff Bank, as Director of AI, 2020 — 2022

- Responsible for creating and driving Tinkoff AI strategy
- Establishing and leading Tinkoff Center for AI (20+ teams and 300+ engineers)

Highlights

Established a technology center in a large fintech organization and successfully completed reorganization.

Oleg the Secretary [launched](#) and reached 1M MAU in Jan 2022.

Voice assistant Oleg [topped](#) Marksw Webb's Chatbot Rank.

ETNA time series library open source [released](#).

Tinkoff Investments launched personalized 'stocks to buy' lists.

Tinkoff released own voice and face biometry.

Created an AI research team; Tinkoff papers were accepted to ICML 2022 and NeurIPS 2022.

Moscow Institute of Physics and Technology, 2019 — 2021, as Head of VK AI Lab

I led a team that worked on NLP-related problems, such as extreme distillation of language models, curriculum learning, text generation, and fast classification models.

VK (VKontakte), a social network, 2015 — 2020,

- **Director, AI Research (2019-2020)**

Among many projects, I led the development of in-house ASR technology, which is used in VK Voice Messages (200M audio messages per day).

I also established and led a team focused on advancing machine learning technologies at VK. Our work included bringing ML to mobile devices, news summarization, EN-RU translation, and auto-generated replies in support. [YouTokenToMe](#) was also released by my team.

- **Newsfeed Team Lead & Lead Scientist (2016 — 2017)**

I was responsible for Machine Learning at VK Newsfeed. My responsibilities included building several ranking models for the newsfeed and news recommendations, models for natural language understanding (NLU) such as clickbait, spam, fraud, and hate speech detection, as well as topic modeling and CTR prediction models.

- **Senior Data Scientist (2015 — 2016)**

I was the first full-time ML research scientist to join VK. I have built and deployed ML models in many areas, including NLP, CV, ranking, and IR.

Segmento (adtech technology startup)

I worked as a Head of Data Mining and earlier as an engineer on large scale click prediction models and look-alike user modeling

diagram.io as co-founder (2012)

diagram.io was our attempt to create something like Miro

Motorola, 2007 — 2012

- Senior Software Engineer, Software Engineer, worked on IPTV solutions targeting Japanese market

Education

Saint Petersburg State Polytechnical University, 2001 - 2007

MS summa cum laude in Computer Science

Japanese Center in St. Petersburg, 2010 - 2014

Language program

Selected publications

- E. Lagutin, D. Gavrilov, P. Kalaidin. [Implicit Unlikelihood Training: Improving Neural Text Generation with Reinforcement Learning](#), 16th Conference of the European Chapter of the Association for Computational Linguistics, 2021
- D. Gavrilov, P. Kalaidin and V. Malykh, Self-Attentive Model for Headline Generation, [arXiv:1901.07786 \[cs.CL\]](#), [41st European Conference on Information Retrieval](#), 2019

Full list at my Google Scholar [profile](#).

Selected side projects

<https://llmarena.com/> — is a LLM-prompt-injection combat game initially developed at AI and Games Summer School 2023. It has attracted more than 5k players.

Languages

English (proficient), Russian (native), German (intermediate, current focus, aiming for C1 next year), Japanese (B1), Hebrew (beginner)