

Aleksandr Veselyev

Experience

- Summer 2023–now **AI researcher**, *Bending Spoons*.
- Currently working as an AI research engineer for Remini app
Worked on a big number image to image tasks that are involved in face enhancement pipeline
Worked on integration bokeh filter into pipeline. This became the most popular filter in Remini app.
- Other initiatives
Built a chat-bot for customer support using LLM api
Worked on a project that involved SpeechToText and TextToSpeech technologies
- Summer 2019–Summer 2023 **CV engineer**, *Tinkoff*.
- Worked in the optical character recognition team
Implemented pipeline for entity recognition in specific documents from mvp to production stage
Implemented parts for generic recognition pipeline (segmentation, classification)
Developed content filtering pipeline for investment social network
- Worked in the face recognition team
Participated in the research of face recognition and face detection models
Worked on the improvement of best-shot detection pipeline
Implemented liveness detection pipeline from mvp to production stage
Implemented face tracking pipeline (which runs on device)
- Managed a team that researched different experimental products
DeepFake detection, Face Similarity search, Face to face translation
- Autumn 2020–Autumn 2021 **ML researcher**, *MIL*.
- Worked in data optimization team.
The goal was to minimize labeled training set and training time for face recognition task to preserve baseline metrics
Researched self-supervised, active learning and face generation methods
- Autumn 2023–now **Teacher**, *MIPT & HSE*.
Lecturer for MSAI machine learning course
Participated in creation/conduction python courses
- Winter 2019–Winter 2022 **Teacher**, *MIPT & Deep Learning School*.
Took part in creating studying materials for students
Conducting lectures and seminars in classic ML, CV and NLP
- Autumn 2020–Summer 2021 **Mentor**, *SkillFactory*.
Taught data science classes (python, sql, classic ML)
- Spring 2019–Summer 2019 **Js-developer**, *Math-platform*.
Participated in writing front-end part of a web platform, that helps math teachers
Used React library

Education

- 2021–2023 **Master**, *Moscow Institute of Physics and Technology*, *graduated*.
Master of Informatics and Computer Engineering
- 2016–2020 **Bachelor**, *Moscow Institute of Physics and Technology*, *graduated*.
Bachelor of Applied Mathematics and Computer Science

———— Languages

English Advanced

Spanish, Basic
Italian

———— Computer skills

Advanced Languages: Python, Golang, C++
knowledge DL/DS libraries: pytorch, pytorch-lightning, transformers, diffusers, tensorflow, sklearn,
catboost, pandas, seaborn, etc.
Other: Git, bash, Linux OS, SQL, Docker, K8S, serving tools (openvino, triton), CI/CD