

Aleksandr Veselyev

Education

- 2021–2023 **Master**, *Moscow Institute of Physics and Technology, 1st year.*
Master of Informatics and Computer Engineering
- 2016–2020 **Bachelor**, *Moscow Institute of Physics and Technology, graduated.*
Bachelor of Applied Mathematics and Computer Science

Experience

- summer **CV engineer**, *Tinkoff.*
- 2019–now
- Worked in the optical character recognition team
 - Implemented pipelines for specific documents from mvp to production stage
 - Implemented parts for generic recognition pipeline (segmentation, classification)
 - Developed content filtering pipeline for investment social network
 - Currently working in the face recognition team
 - Participated in the development of face recognition and face detection pipelines
 - 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)
 - Leading research teams of different experimental products
 - DeepFake detection, Face Similarity search, Face to face translation
- autumn **ML researcher**, *MIL.*
- 2020–autumn
- Worked in data optimization team.
- 2021
- 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
- winter **Teacher**, *MIPT & Deep Learning School.*
- 2019–now
- Took part in creating studying materials for students
 - Conducting lectures and seminars in classic ML, CV and NLP
- autumn **Mentor**, *SkillFactory.*
- 2020–summer
- Taught data science classes (python, sql, classic ML)
- 2021
- spring **Js-developer**, *Math-platform.*
- 2019–summer
- Participated in writing front-end part of a web platform, that helps math teachers
- 2019
- Used React library

Languages

- English Advanced
- Spanish Basic

Computer skills

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