

ALEX GALAYDA

Computer Vision Engineer

✉ alexgalayda@gmail.com
🌐 github.com/alexgalayda

☎ +995-571-97-10-36
📍 Tbilisi, Georgia



ABOUT ME

Experienced computer vision engineer specializing in R&D tasks, having worked for more than four years in the scientific laboratory and product teams.

WORK EXPERIENCE

Machine Learning Specialist

Adalisk

📅 April 2021 – present 📍 Tbilisi, Georgia

Engaged in research in the field of application of computer vision in dentistry for [GlidewellDental](#). Responsible for developing new approaches to improve work with 2D images, 3D images, point clouds, and meshes

- Developed a teeth mesh segmentation and classification system using PyTorch and PyTorch Geometric.
- Developed an internal framework for working with graph data using PyTorch and PyTorch Geometric.

Computer Vision Engineer

Moscow Institute of Physics and Technology (MIPT)

📅 November 2018 – April 2021 📍 MIPT, Dolgoprudny, Russia

Engaged in the development of ML-based systems for recognizing objects on large-scale geo-images.

- Developed a system for anomaly detection on large images of the earth's surface, using an unsupervised learning approach.
- Investigated the possibility of applying L0 regularization-based algorithms for infrared video denoising.
- Developed a system for stitching many small photographs of the earth into a single continuous canvas.

Risk analyst

Tinkoff Bank

📅 August 2018 – November 2018 📍 Moscow, Russia

Engaged in improving ML algorithms for calculating insurance risks in the insurance department.

- Improved the system for calculating insurance risks in car insurance.

EDUCATION

Bachelor, Applied Mathematics and Physics (GPA: 9/10)

Moscow Institute of Physics and Technology

📅 2015 – 2020 (Cum Laude) 📍 Russia, Dolgoprudny

Department of Radio Engineering and Cybernetics

The main courses taken:

- Mathematics
- Physics
- Computer Science
- Computer Security
- Radio Engineering

University Lyceum 1511 pre-university of NRNU MEPhI

📅 2013 – 2015 📍 Russia, Moscow

SKILLS

- **Python** (Primary language), Bash, SQL, C/C++
- For Python:
 - **PyTorch and PyTorch Geometric** (Primary), Tensorflow, Keras, OpenCV
 - Flask
- Git, Docker, Linux

RELEVANT COURSES

Linux operating system and Linux servers

by M.N.Shteinberg, Head of the Laboratory of Computer and Internet Technologies, [SDMGP](#), MIPT

Machine Learning and Data Analysis

on [Coursera by MIPT & Yandex](#)

Introduction to Git and GitHub

on [Coursera by Google](#)

LANGUAGES

English
Russian
Ukrainian

Upper Intermediate ●●●●●
Native ●●●●●
Native ●●●●●