ALEX GALAYDA

Computer Vision Engineer

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github.com/alexgalayda   📍 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.

Intern 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

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