

ARTEMII MIASOEDOV

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MACHINE LEARNING / COMPUTER SCIENCE ENGINEER

IT-savvy enthusiast with 7 years of experience, striving to adopt Machine Learning and Computer Vision to bring innovation to life. Possess leadership qualities, able to guide a team. Experienced in various programming languages: C, C++, Java, Kotlin. Mastered and applied in practice different computer graphics and machine learning tools.

Machine Learning / Computer Vision / IT Solutions / Team Leadership / Tutorship

EXPERIENCE

Computer Vision Engineer, Universal Cloud Systems Ltd., Kazan, Russia **2023 – 2025**

Improved an ANPR system migrating from YOLO-v3 to D-FINE and fine-tuning with 2k labeled and 100k unlabeled images via Semi-Supervised Learning. Boosted confidence for dirty number plates from 30% to 90%.

Linux Administrator, Universal Cloud Systems Ltd., Kazan, Russia **2022 – 2023**

Administered 3 production Gentoo servers, managed Portage package system, and configured Linux 6.x kernels with proprietary CUDA drivers. Built and deployed ML software such as Caffe2, PyTorch, ONNX Runtime.

Telegram Contests Winner, International **2021 – 2023**

Developed Computer Vision, Natural Language Processing, and Android solutions for Telegram.

\$2000 for real-time face augmentation library

<https://contest.com/cpp2022/entry4100>

\$1000 for official Android app improvements

<https://contest.com/android-nov2021/entry4002>

\$750 for programming language classification

<https://contest.com/ml2023/entry4650>

Computer Vision Engineer, Itech inc., Uzbekistan **2023**

Led a team, developed signature & stamp recognition API

<https://github.com/ATMI/Signex>

Open Source Contributor

2020 – Present

cglm implemented 2D affine post operations

<https://github.com/recp/cglm/pull/450>

osm improved Android app AIDL interface

<https://github.com/osmandapp/OsmAnd/pull/9304>

Android Developer, Freelance

2019 – Present

Developed Android apps using Java, Kotlin, C/C++. Achieved 10k downloads and a 4+ star rating for self made apps.

World/Digital Skills Winner & Judge, Russia

2018 – 2022

Won Junior & Senior IT Software Solutions for Business competitions. Judged DigitalSkills 2022 Mobile Development.

PROJECTS

IFond, Android, OpenGL ES

2020 – 2025

Created an Android app for scheduling wallpaper changes from gallery photos and videos. Achieved 10k downloads and a 4.26/5 rating on Google Play. Used Kotlin, Jetpack Compose, Room, JNI, C++, and OpenGL ES.

<https://play.google.com/store/apps/details?id=su.mya.wallpaper>

A-Shot, Kotlin, C++

2024

Led a team to create a photo culling tool. Designed UI with Jetpack Compose, configured ONNX Runtime for blur detection and image similarity scoring, used C++ and ImageMagick for graphics handling.

<https://capstone.innopolis.university/docs/2024/a-shot/week06/>

Sosna, Reinforcement Learning, Unity 3D

2024

Developed a multi-agent environment using Unity 3D to research collision avoidance behavior.

<https://github.com/ATMI/Sosna/blob/master/Assets/Report/Report.pdf>

Xchange, Kotlin, Ktor, PostgreSQL

2024

Created an open ledger exchange system with in-database ED25519 transaction verification, Ktor API and TUI client.

<https://github.com/ATMI/Xchange>

SKILLS & KNOWLEDGE

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|----------------|-------------------|----------|------------|
| ▪ Python | ▪ Java, Kotlin | ▪ C, C++ | ▪ C# |
| ▪ PyTorch | ▪ Jetpack Compose | ▪ ONNX | ▪ WPF |
| ▪ Transformers | ▪ Room | ▪ OpenGL | ▪ Unity 3D |

EDUCATION

Innopolis University, Innopolis, Russia

2022 – 2026

Beijing Institute Of Technology, Beijing, China

2024