

Artem Konevskikh

MLOps engineer

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[LinkedIn](#), [GitHub](#), [website](#)

Vienna, Austria

- MLOps engineer with 4 years of experience in ML engineering and 10+ years of experience in data analysis and software development.
- Currently focused on Generative and Creative AI projects.
- Deployed ML pipelines for multiple digital art projects exhibited worldwide and awarded with major technology art prizes
- Worked as Data Engineer on Urban Data Platform for 1000+ Russian cities, developed in Strelka KB, the largest Russian urban planning consultancy.
- Performed data analysis for the Luminosity Determination Working Group at the Large Hadron Collider, CERN. Co-author of more than 200 publications.
- Has extensive experience in teaching Deep Learning to artists and architects in leading European and Russian universities.

Skills

Data Engineering: PostgreSQL, Airflow, Apache Superset, Web scraping (BeautifulSoup, Selenium)

ML: PyTorch, Transformers, LLMs, SpaCy, Diffusers, GANs

Backend: FastAPI, asyncio

Ops: Docker, Kafka, Cloud Services

GIS: PostGIS, Geopandas, Shapely, Turf.js, qGIS, Google Earth Engine

Work Experience

ML and Software Engineer for Art Projects

May 2018 - Present

Freelance

Collaborate with artists to explore how technology, computation and AI impact creativity and artistic processes.

Built end-to-end ML pipelines and interfaces for various art & science and digital art projects exhibited around the world, winning over 15 awards worldwide, including Lumen Prize, S+T+ARTS Prize Honorary Mention, New Technological Art Award and others.

Complete lists of [projects](#).

Skills: Diffusers, Transformers, LLMs, GANs, Photogrammetry, FastAPI, React, THREE.js, Blender, AR & VR

MLOps and Backend developer

August - December 2023

DigitalGuru, Moscow-based urban planning company

Built backend, ETL pipelines and Computer Vision module for crowdsourced data analysis tools for urban planners. The result was an optimisation of the work process and a reduction in the workload from 5 data analysts to 1.

Skills: FastAPI, asyncio, Kafka, PostgreSQL, YOLO, Transformers, PyTorch

Machine Learning and Data Engineer

November 2018 - July 2022

Strelka KB, Russia's largest urban planning and strategic consultancy.

Built end-to-end CV & NLP projects for urban planning.

Built ETL pipelines and dashboards for Urban Data Platform for 1000+ Russian Cities. Business process automation and data visualisation for Economics, GIS and Digital Anthropology departments.

Skills: Airflow, Apache Superset, Web scraping, PyTorch, Transformers, Kafka, qGIS, PostgreSQL, PostGIS, Geopandas, Shapely, Turf.js, Docker, asyncio, aiohttp, React

Researcher

November 2008 - January 2018

CERN and Institute for Nuclear Research

Data analysis for the CERN Luminosity Determination Working Group.

Developed an early prototype of the data acquisition system for the FIT detector of the A Large Ion Collider experiment.

Regularly worked as a shifter and trained new shifters on the central Detector Control and the Data Acquisition Systems, as well as a Shift Leader in Matters of Safety at ALICE experiment.

Co-author of [200+ articles](#)

Skills: C, C++, ROOT, PVSS, Python

Education

Moscow Institute of Radio Engineering and Automation *September 2001 - February 2007*

Master of Science in Computer Science

Institute for Media, Architecture and Design Strelka *January - June 2018*

Think tank dedicated to the role of AI in the future societies

More about me

I have taught Deep Learning to artists and architects at the [University of Innsbruck](#), [ITMO University](#) and various other institutions. [Full list](#) of courses, workshops and public talks.

Participated in several hardware, open data and GIS hackathons. Won 6 hackathons. Organised Urban Hackathon (Moscow, Russia) and mentored AI Arthaton 2.0 (Al Riyadh, Saudi Arabia).

Ran the makerspace in my hometown.