

Eva Koroleva

ML Engineer experienced in Computer Vision, GenAI and MLOps. Research & Production. Both.

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Buenos Aires, Argentina

xmarva.github.io



Work Experience

ML Engineer

Verta – Berlin, Germany

Jan 2024 – Jul 2025 · 1 yr 6 mos

- Built and deployed custom RAG pipelines for structured & unstructured data
- Fine-tuned LLMs with PEFT; ran distributed training on multi-GPU setups
- Achieved 3x inference speed-up via vLLM, quantization, async batching

Lead ML Engineer

Cloi – Delaware, United States

Nov 2021 – Jul 2023 · 1 yr 9 mos

- Led R&D from concept to MVP for a GenAI-based design product
- Fine-tuned and integrated GANs into production
- Built pipelines for 3D human pose estimation for mobile devices

Senior ML Engineer

Innopolis University – Kazan, Russia

Nov 2020 – Oct 2021 · 1 yr

- Launched vision-based cashierless store (detection, tracking, re-ID)
- Built and optimized CV models for real-time classification and detection

Computer Vision Engineer

Getfloorplan – Florida, United States

May 2019 – Oct 2020 · 1 yr 6 mos

- Converted architectural blueprints into 3D layouts with DL and algorithms
- Designed segmentation models for floor plan parsing
- Built layout algorithms for furniture placement via spatial heuristics

Data Scientist

Meanotek AI – Kazan, Russia

Aug 2018 – Feb 2019 · 7 mos

- Developed NLP models for medical texts (Transformer, NER, classification)
- Built end-to-end annotation & preprocessing pipelines for healthcare data

Research Assistant

Kazan Federal University – Russia

Sep 2017 – May 2018 · 9 mos

- Built software to detect microstructure changes in bone tissue
- Ran biomechanics experiments and contributed to peer-reviewed publications

Education

Applied Mathematics

Kazan Federal University, Russia

Sept 2014 – May 2017

Skills & Competencies

Python | C++ | LaTeX

MLOps | Inference Optimization

Machine Learning | Deep Learning

Computer Vision | NLP | LLM | Diffusion

3D & Point Cloud Reconstruction

Graph Neural Networks

Research | Product Management

Models & Techniques

Transformer | BERT | GPT | T5 | LLaMA | Qwen

RAG | LoRA | qLoRA | Adapter-based tuning

Stable Diffusion | ControlNet | DreamBooth

Detectron2 | YOLOv8 | SAM | CLIP | DINOv2

SMPL | MMPose | OpenPose | PointNet

Tools

NumPy | Pandas | Matplotlib | Plotly

PyTorch | Transformers | OpenCV

AWS | GCP | Docker | Flask | vLLM

DVC | Optuna | WandB | MLFlow

Weaviate | FAISS | neo4j | PostgreSQL

Prometheus | Grafana | Kubernetes

Notion | JIRA | Confluence | Github

VS Code | Anaconda | Jupyter Notebook

Languages

Russian
Native

English
Conversational

Interests

Cognitive Science | Philosophy
Languages