

Eva Koroleva

Machine Learning Engineer focusing on Deep Learning
[AI] [Computer Vision] [LLM] [Biomed]

elizaveta.victoria.koroleva@gmail.com

Buenos Aires, Argentina

xmarva.github.io



Work Experience

Lead Machine Learning Engineer
Cloi – Delaware, United States

Nov 2021 – Jul 2023 · 1 yr 9 mos

- Led a tech development of a product from idea to launch
- Fine-tuned and deployed GANs [Dall-E, Stable Diffusion, SPADE]
- Advanced 3D pose detection [SMPL, OpenPose, Detectron, mmpose]

Machine Learning Engineer
Innopolis University – Kazan, Russia

Nov 2020 – Oct 2021 · 1 yr

- Launched a cashierless store powered by Computer Vision
- Developed and fine-tuned models for Classification, Detection and Object Tracking [YOLO, ResNet, Faster R-CNN, DeepSORT]

Computer Vision Engineer
Getfloorplan – Florida, United States

May 2019 – Oct 2020 · 1 yr 6 mos

- Engineered a pipeline to convert blueprints into virtual 3D models
- Leveraged deep learning techniques to detect and segment objects
- R&D algorithms to arrange virtual furniture based on room dimensions

Data Scientist
Meanotek AI – Kazan, Russia

Aug 2018 – Feb 2019 · 7 mos

- Designed end-to-end data pipelines for preprocessing and annotation
- Spearheaded the development of linguistic models for the medical domain [LM, NER, Entity Linking, Relation Extraction, Question Answering]

Research Assistant
Kazan Federal University – Russia

Sep 2017 – May 2018 · 9 mos

- Conducted bio-mechanics experiments and research [CT scans]
- Optimized software to detect changes in bone tissue structure [Wolfram]
- Documented findings and contributed to a peer-reviewed publication

Education

Mathematics and Mechanics
Kazan Federal University, Russia

Sept 2014 – May 2017

Skills & Competencies

Python | C++ | Wolfram
Statistics | Data Science
Machine Learning [LightGBM, XGBoost]
Deep Learning [CNN, RNN, Transformers]
Computer Vision [Detection, Segmentation]
NLP [NER, Text Generation, Translation, LLM]
GenAI [BigGAN, Dall-E, Stable Diffusion]
3D & Point Cloud Reconstruction
Graph Neural Networks
Research | Product Management

Tools

NumPy | Pandas | Matplotlib | Plotly
PyTorch | Hugging-Face | OpenCV
AWS | GCP | Docker | Flask | MLFlow
Notion | JIRA | Confluence | Github
VS Code | Anaconda | Jupyter Notebook

Languages

Russian
Native

English
Conversational

Interests

Math | Philosophy | Hiking | Cooking
Music | Art | Languages | Psychology