Eva Koroleva

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

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Buenos Aires, Argentina 📍

xmarva.github.io 🔳

Work Experience

Lead Machine Learning Engineer
Nov 2021 – Jul 2023 · 1 yr 9 mos
Cloi - Delaware, United States

- 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
Nov 2020 – Oct 2021 · 1 yr
Innopolis University - Kazan, Russia

- 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
May 2019 – Oct 2020 · 1 yr 6 mos
Getfloorplan - Florida, United States

- 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
Aug 2018 – Feb 2019 · 7 mos
Meanotek AI - Kazan, Russia

- 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
Sep 2017 – May 2018 · 9 mos
Kazan Federal University - Russia

- 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
Sept 2014 – May 2017
Kazan Federal University, Russia

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

Languanges

Russian
Native

English
Conversational

Interests

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