Kirill Goltsman

Software Engineer

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- 📍 Malaga, Spain
- 🔗 Personal website
- in Linkedin
- ⌗ Github
- �Medium

🧠 SKILLS

Languages
Python, Javascript, C++, Solidity

Databases
MongoDB, PostgreSQL, Elasticsearch, vector databases

Deep Learning
Pytorch, Tensorflow, Keras, HuggingFace libraries, Pytorch3d

Machine Learning/Data Science
scikit-learn, NumPy, SciPy, Pandas.

IaaS/DevOps/MLOps
- cloud platforms (AWS, MS Azure)
- Docker, Kubernetes
- AWS SageMaker, KubeFlow, MLFlow
- Jenkins, Terraform

Data Visualization
Matplotlib, Seaborn, Plotly, Tableau, Power BI

AI/ML Research Interests
GenAI, Diffusion models, computer vision, NLP/LLM, 3d deep learning (meshes, pose estimation), speech recognition

📇 PROFILE

I am software engineer specialized in AI/ML, and blockchain. Besides that, I have a passion for writing about technology.

💼 PROFESSIONAL EXPERIENCE

Orichal Partners
Data Scientist / ML Engineer
05/2022 – 03/2024
- created a robust ETL pipeline consuming blockchain data from Graph nodes.
- developed and applied various statistical models on retrieved data to analyse and predict DeFi protocol users behaviour and financial indicator trends.
- applied LLMs for sentiment analysis, summarization, and NER with in-house data.
- fine-tuned language models with in-house data for the use in automatic question-answering applications and chatbots.
- worked with cross-functional teams, including engineers, product managers, and business analysts to ensure seamless integration of developed statistical models

Orichal Partners
Senior Software Engineer (Blockchain)
07/2020 – 05/2022
- Built core smart contracts for the DeFi financial product including risk tranches, staking, oracle integration, voting escrow, etc.
- Developed and deployed subgraphs using the Graph protocol to index contract data and make it available to frontend applications.
- Managed contract deployments, operations, and upgrades on the EVM-compatible blockchains
- Conducted peer review of junior developers' code
- Interviewed prospective candidates for the smart developer roles in the company.

Qbox Inc.
Technical Content Manager
04/2017 – 11/2019
- managed tech content pipeline (blog creation, editing, scheduling, publishing, social media distribution).
- managed a team of content writers (assigning topics, technical and quality review of content, editing).
- created documentation for the company's software products.
- produced content for the company's Kubernetes training courses
- worked closely with the marketing team to improve content creation strategies, SEO, trend spotting, social media marketing.

🎓 EDUCATION

PhD in International Relations / Political Science
Donetsk National University
2007 – 2010 | Donetsk, Ukraine

Master in Finance
Donetsk National University of Economics and Trade, Ukraine
2006 – 2008 | Donetsk, Ukraine

Master in International Relations
Donetsk National University
2002 – 2007 | Donetsk, Ukraine

📚 COURSES

Machine Learning
Stanford University
03/2016 – 09/2016

Front-end Development Course
GoIT
02/2016 – 06/2016

🌐 LANGUAGES

Russian ●●●●●
Ukrainian ●●●●●
English ●●●●○
Spanish ●●●○○

- wrote e-books, blogs and tutorials about Kubernetes, container technologies, and Elasticsearch.

IOD
Senior Tech Content Creator
04/2018 – 2020
- created tech articles and tutorials on a wide array of topics including AI/ML algorithms, ML libraries (Tensorflow, PyTorch), MLOps.
- created outlines for freelance writers and edited content produced by them
- participated in the production of e-books, video content, and tech courses.

📁 PROJECTS

Finetuning LLama2 LLM
03/2024 – 03/2024
Fine-tuned Llama2 language model on a 1000-sample subset of the Dolly 15k instruction dataset using Supervised Fine-Tuning (SFT) with QLoRA 4-bit precision.
Github ⬀
Finetuned model on HuggingFace ⬀
Dataset ⬀

Blockchain Data Statistical Analysis
05/2023 – 03/2024
The *objective* of the project was to extract and analyze blockchain data from Graph nodes to uncover meaningful insights and trends.
As part of the project, I extracted blockchain data from Graph nodes, performed data wrangling and feature engineering, and applied various statistical methods and models on data (see the latest job).

Statistical analysis of chess games played in "Titled Tuesday" events on chess.com
01/2024 – 02/2024
As part of this project, I created a dataset of chess games played in "Titled Tuesday" events on chess.com between July 2022 and December 2023 and executed various statistical analyses on it. The goal was to find interesting patterns and regularities in online chess tournaments.
See more: Repo ⬀ .

GitCoin Grant Project: Deep NFTs
03/2021 – 06/2021
This project aimed at enhancing the use of generative Machine Learning (ML) models for blockchain NFTs. By leveraging a style transfer model, we can fuse several NFT styles and mint new NFTs with custom parameters derived from the ML model.
Project Demo Website ⬀