

Grigory Evko

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EXPERIENCE

• IPRIT

CTO & Founder

Dubai, AE

Sep 2022 - Nov 2023

- Developed a state-of-the-art model for time-series prediction, achieving 64% accuracy for short-term price forecasts, vastly outperforming existing benchmarks.
- Built a quantitative trading platform using tick-level data, integrating reinforcement learning for algorithmic trade optimization, resulting in 20% improvement of trade execution efficiency
- Orchestrated a distributed RL infrastructure on a cluster of 64 GPUs, improving model training scalability, and reduced training time by 94% through strategic AWS EC2 cloud optimizations.
- Designed Uniswap v3 liquidity strategies with projected 40-50% APY gains, created a cross-exchange Python simulation environment, and engineered Solidity smart contracts for strategy execution.
- Engineered robust and efficient Solidity smart contracts, paired with a Python backtesting suite, to refine strategy execution and data workflows.
- Conducted in-depth protocol analysis of Uniswap v3, identifying critical shortcomings and conceptualizing an innovative decentralized exchange.

• Institute for Gene Biology

Senior Data Scientist (Bioinformatics)

Moscow, RU

Oct 2021 - Jul 2023

- Designed a Nextflow and Python-based data pipeline for DNA-RNA sequence analysis, enhancing efficiency by 530% and significantly reducing computational costs.
- Administered a large-scale genetic database (14TB), implementing data management practices that ensured high data quality and streamlined access for analysis purposes.
- Applied advanced statistical modeling and machine learning techniques to multi-species genomic datasets, providing key insights that supported scientific research and publication.
- Led interdisciplinary workshops in bioinformatics, promoting the adoption of data science methodologies and tools across research teams.

• Tinkoff Bank

Machine Learning Engineer (NLP)

Moscow, RU

Dec 2019 - Sep 2021

- Enhanced customer support chatbot accuracy by 13% through advanced NLP model development and iterative training.
- Reduced model training time by 70% by experimenting with and implementing efficient NLP architectures.
- Automated data markup ETL processes, cutting data preparation time by 40%
- Deployed ML models into production, achieving 99.94% uptime and improving service reliability.
- Streamlined Chatbot Classification Pipeline, resulting in a 9.5% increase in classification precision.
- Executed codebase refactoring and MLOps integration to bolster system scalability.
- Developed interactive text labeling tool, decreasing model development cycle time by 50%.

SKILLS

- **Programming Languages:** Python (main), Basic Knowledge in: Solidity, Nextflow, JavaScript, C/C++
- **Machine Learning & Data Science:** PyTorch, TensorFlow, JAX, Flax, PyTorch-Lightning, DeepSpeed (ZeRO), Pandas, Polars, Scikit-learn, Matplotlib, Seaborn
- **Cloud Platforms & Databases:** AWS, Google Cloud, PostgreSQL, MongoDB, Redis, InfluxDB
- **Development Tools & DevOps:** Git, Docker, Linux, Nginx, Caddy, Kubernetes, Terraform, Ansible, Prometheus, Grafana
- **Blockchain Development:** Foundry, Web3.py, Ganache, Hardhat, Remix
- **Web Development, APIs & Streaming:** Django, Flask, FastAPI, REST, gRPC, GraphQL, RabbitMQ, Apache Kafka
- **Experiment Tracking & Interactive Computing:** Wandb (W&B), ClearML, Aim, Jupyter
- **Currently Studying:** DevOps, MLOps, CI/CD, Frontend (basic)

PUBLICATIONS

• Nature publication

Gavrilov A.A., Evko G.S., Galitsyna A.A. et al. *RNA-DNA interactomes of three prokaryotes uncovered by proximity ligation.* *Commun Biol* 6, 473 (2023). <https://doi.org/10.1038/s42003-023-04853-8>

2023

EDUCATION

• Lomonosov Moscow State University (MSU)

B.S., Applied Math and Computer Science

Moscow, RU

Sep. 2019 - Jul. 2023