Dr. Stanislav Khrapov

CONTACT INFORMATION

Ossietzkystraße 6
Frankfurt am Main, Germany
Phone: +49 159 0117 9221

Email: khrapovs@gmail.com
GitHub: github.com/khrapovs
LinkedIn: linkedin.com/in/khrapovs

SUMMARY

I am a hands-on **Senior Data Scientist** with deep experience across the full ML lifecycle – from data ingestion and modeling to simulation, cloud deployment, and monitoring. I lead cross-functional teams to build robust, scalable systems that combine statistical rigor with software engineering best practices. Skilled in communicating with both technical and executive stakeholders, I drive high-impact projects by aligning business needs with practical, production-ready solutions.

WORK EXPERIENCE

M2hycon, Hamburg, Germany (hybrid)

Lead Data Scientist **Jan 2024 – present**

- Led the development of the dynamic pricing product including architecture design, algorithm implementation, artificial market simulation, and pricing policy evaluation.
- Developed failure detection system for installation process of industrial machines. Reduced model training time from hours to under one minute and improved accuracy by 10-20% by replacing existing neural network based solution with a simpler explainable classifier.
- Increased transparency and clarity of communication with key stakeholders by introducing regular review meetings, code-generated slides, and newsletters.

Chintai, Frankfurt am Main, Germany

Senior Data Scientist **July 2022 – Dec 2023**

- Developed trade surveillance system based on unsupervised time series classification. Built realistic exchange market simulation with heterogeneous traders and fast order book matching engine (OrderBookMatchingEngine).
- Built GitHub Actions–based CI/CD pipelines for blockchain-integrated Node.js apps, covering code quality checks, testing, vulnerability scanning, and cloud deployment to Kubernetes. Streamlined company-wide release workflows from pull request to production. Implemented GitHub infrastructure management using Pulumi and contributed to a TypeScript testing framework for smart contracts.
- Mentored junior data science colleagues. Organized technical workshop with a purpose of active exchange of ideas and latest developments in IT.

DB Schenker, Frankfurt am Main, Germany

Data Scientist **April 2018 – June 2022**

- Developed custom time series models for forecasting freight prices and financial KPIs to support pricing and liquidity planning.
- Built a recommendation system to automate ground transport auctions.
- Delivered end-to-end ML solutions from data ingestion, model evaluation to deployment and monitoring.
- Led company-wide ML trainings for up to 150 participants across departments.

New Economic School, Moscow, Russia

Assistant Professor of Finance **Sep 2011 – Aug 2018**

- Conducted research independently as well as with co-authors in the fields of financial econometrics, option pricing, volatility modelling.
- Presented at major international economics, finance, and econometrics conferences.
- Taught courses in Intermediate Econometrics, Advanced Econometrics, Financial Econometrics, Data Analysis in Python. 10–50 students in each class.
- Supervision: 4–8 master and bachelor students each year.

SAS Institute, Cary, NC, USA

Summer intern **May 2007 – Aug 2010**

- Programmed C module for estimation of GEE type models.
- Participated in writing of future publication "SAS/ETS User's Guide".
- Added examples of usage and edited manuals for SAS/ETS procedures including Copula functions.

Education

University of North Carolina, Chapel Hill, NC, USA

PhD in Economics (major in Financial Econometrics) **Sep 2006 – Jun 2011**

Oregon State University, Corvallis, OR, USA

MA in Economics (major in Econometrics) **Sep 2004 – Jun 2006**

Novosibirsk State University, Novosibirsk, Russia

BA, MA in Economics **Sep 1998 – Jun 2004**

Skills

Soft Skills:
Cross-functional team leadership
Clear written and verbal communication
Technical mentoring and workshop facilitation
Stakeholder engagement including C-Level
Agile/Scrum project management

Tools and Technologies:
Operating systems: Linux, MacOSX, Windows.
Programming: Python, SQL, SAS, C/C++, TypeScript, Bash
Visualization: StreamLit, Dash, Bokeh, Matplotlib, Seaborn
Orchestration: Argo, Airflow, Pachyderm
Infrastructure: Kubernetes, Helm, Pulumi, Terraform, Docker, FastAPI
Monitoring: Prometheus/Grafana, ELK stack
ML software: Sklearn, Statsmodels, PyMC, Polars, DVC
Cloud: AWS, Azure
Git: GitHub, GitLab

Languages

English (fluent), German (fluent), Russian (native)