# 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)

## Publications

**Hyojin Hana, Stanislav Khrapov, Eric Renault (2020).** ***The leverage effect puzzle revisited: Identification in discrete time*****. Journal of Econometrics**

**Stanislav Anatolyev and Stanislav Khrapov (2015).** ***Right on Target, or Is it? The Role of Distributional Shape in Variance Targeting*****. Econometrics, 3(3), pp. 610—632**