

VLADIMIR SARAIIKIN

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ABOUT

Quant Analyst & Python Developer, who is highly interested in financial markets, development, and machine learning.
Legal status: Belarusian-born citizen, permission to work in Poland (Poland Business Harbour exp. Apr. 2023).

PROFESSIONAL EXPERIENCE

Quantitative Analyst & Developer

May 2021 – Present

CompatibL

Minsk, Belarus

- Performed model validation. Priced financial instruments with *Python* and *QuantLib* via client's methodology.
- Designed and implemented internal firm's tools with *Python* and *Docker*. Covered them with tests.
- Communicated with clients. Documented methodologies in LaTeX and uploaded them to the server via *ssh*.

Business Analyst

Apr. 2021 – June 2021

Neatech

Minsk, Belarus

- Communicated with developers and customers to find the appropriate solutions.
- Managed a business project and documented the business processes.
- Controlled expenses of the project and reported info to the CEO.

PROJECTS

Portfolio analyzing tool | *Python, pandas, matplotlib*

- Created a module that analyzes a portfolio of assets, rebalances them and visualizes them in one line of code.
- Calculated Alpha, Beta, VaR, Sharpe Ratio, Sortino Ratio, Treynor Ratio, Annualized Return and Volatility.

Telegram trading data bot | *Python, pandas, pyTelegramBotAPI*

- Built a bot that sends an image of a quote of an asset via selecting time-frame, ticker, and exchange.
- Used seaborn, pyTelegramBotAPI, pandas to aggregate to deliver the data.

Flask Web App | *Python, Flask, Docker, Bootstrap, HTML*

- Developed a web application using Flask as backend and Bootstrap as frontend.
- Implemented authorization and created a database to store user credentials.

Django Weather App | *Python, Django, SQLite*

- Developed a web application using Django for weather overview via API.
- Stored the data into the database using SQLite.

SKILLS

Programming Languages: Python, SQL, bash/zsh, C++

Tools: Docker, Git, PostgreSQL, Redis, Flask, Django, scikit-learn, celery

Languages: fluent in English, Russian and Belarusian; intermediate in Spanish

Interests: basketball, hip-hop, cinematography, chess

EDUCATION

Belarusian State University

Sep. 2018 – June 2022

Bachelor of Science in Economics

Minsk, Belarus

- Cumulative weighted GPA 8.6/10.0, top 20% of the class
- Thesis: "Derivatives in the world economy"

Higher School of Economics

Sep. 2021 – Dec 2021

Additional Course

Moscow, Russia

- Studied statistics and machine learning for quants in the Center of Mathematical Finance
- Managed a group of 10 students as an assistant professor

ACHIEVEMENTS

Champion – "Fintech Hackathon 2021", developed a [backtesting app](#) in a team of three

Champion – "World Economics Olympiad 2019", wrote a research paper about digitalization

Medalist – "Higher League", solved 15/15 tasks in the "Math methods in Economics" section

Medalist – "CFA Institute Research Challenge 2020", created an equity report in a team of five

Medalist – "BSU Finance Challenge 2021", took first place in the "Quant Methods"