

Natalia Vasileva
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PROFESSIONAL SUMMARY

Senior Data Analyst with 8 years of experience in statistical and financial analysis and 3 years of programming experience in data mining, processing, analysis, and visualization.

KEY SKILLS

- Data Mining: Excel add-ins, Web API, GitHub
- Data Quality and Integrity Validation, Preprocessing and Analysis (Advanced Excel functions (pivot tables, VLOOKUP, macros), VBA, Python, SQL, Redshift, limited knowledge of R)
- Machine Learning models in Python (sklearn)
- Data Visualization: Tableau, Django, Rest API, React.js, CSS
- Statistical Modeling: Probability Modeling, Clustering, Regression Analysis, Forecasting
- Languages: Fluent in English, Russian, Mandarin Chinese (business conversation), Lithuanian (conversational)

PROFESSIONAL EXPERIENCE

Senior Financial and Data Analyst

09/2021 - present

Amazon, Seattle, WA, USA

Finance and data analytics partner for Amazon Fulfillment Technology

- Owned the financial modeling, financial planning, calculating actuals and reporting for 30-40 Workforce Optimization and Quality cost saving projects with the total annualized savings of \$300-400MM
- Built ML models (python) for project pilot results validation in partnership with AFT Data Science team
- Collaborated with business stakeholders and finance partners to find correct input and output metrics and estimate assumptions for the financial models
- Led Weekly, Bi-Weekly or Monthly Financial Reviews for the owned projects
- Supported the annual planning and prioritization process for cost saving projects based on the expected savings per SDE
- Joined the business partners to the field trips to get deeper understanding of the business case, customer problems and needs and project implementation details, at least, once each quarter

Senior Data Analyst and Co-founder

09/2019 - 07/2021

Everglades Investments, Vilnius, Lithuania

Financial analytics company providing bespoke research to top global discretionary investment managers and enterprises

- Automated data mining and fundamental research (previously done in Excel, VBA) in Python and SQL and tested my code
- Performed data quality and integrity validation, unification and merging large data sets within ELT framework, applied supervised and unsupervised ML models while researching topics, including COVID, Global Liquidity, Economic Recovery and Inflation, Equities Performance in Various Global Market Conditions, Market Positioning in Various Asset Classes, Equity Peer Valuation in order to provide investment recommendations to clients
- Ideated and developed a React web app with interactive dashboards (graphs and tables) for clients and internal use to visually track data changes and patterns, double check correlations identified by a machine learning model, see the historical context behind the news headlines, etc
- Vision – integrating quantitative techniques into traditionally manual fundamental financial research process
- Increased clients' investment success ratio by an average of 20% by speeding up the research process amid rapidly changing market conditions and eliminating unintentional human biases and errors

Senior Financial Analyst

05/2017 - 09/2019

Pelninga Investicija, Vilnius, Lithuania

Financial analytics company providing research to London hedge fund clients

- Led a team of 4 junior analysts to build and maintain financial models (incl. macroeconomic, commodity supply-demand, detailed equity, peer valuation models) and ensured their professional development into independent analysts
- Ideated and developed a manual with simple understandable algorithms to facilitate junior analyst integration into work processes and held daily SCRUM meetings with the team while building new models
- Achieved +30% reduction of average junior analyst training time (to 4-8 months from 6-12 months previously)
- Developed weekly data reports and daily news outlooks forecasting and quantifying how commodity price and share price moves and making investment recommendations: to initiate, hold or close the position
- Proposed trade ideas with risk/reward ratio around 1:3 to clients that led to investments with [Sharpe ratio](#) consistently over 2.0 (vs [top performing hedge funds](#) 3-year average 1.7-2.1 vs S&P 500 3-year average 1.07)
- Attended major global mining conferences. Visited China, 2+ times a year for ground checks
- Developed network of contacts among China, UK, and US funds, research companies, market participants

Financial Analyst

10/2015 - 05/2017

ETCP (former BTG Pactual Commodities), Vilnius, Lithuania

International commodity trading company founded in 2013 by BTG Pactual Group with offices in EU, UK, US, Brazil and Asia

- Joined the equity investment group as a China commodity analyst and grew into independent global commodity and equity analyst
- Maintained existing global macroeconomic models and equity models of major global commodity miners. Created own China supply-demand models, adding details that improved future commodity price and equity earnings forecasts. My research allowed the manager to add 5 commodities and 13 equity names to the active coverage and diversify the investment portfolio
- Conducted case studies of 4 American coal miners coming from bankruptcy in end-2016 (Arch Coal, Peabody Energy, Alpha Natural Resources, Contura Energy) that led to investment decisions with over 100% ROI
- Prepared daily and weekly news outlooks quantifying how commodity prices and companies' share prices can respond
- Visited BMO Metals & Mining Conference in Miami, FL to build strong relations with companies' management and sell-side analysts

ADDITIONAL WORK EXPERIENCE

Development Manager/ Import Manager

05/2013 - 10/2015

Luxcase, Moscow, Russia

Electronics accessories producer

- Main project: successfully started a small factory in Russia. Traveled to China to research existing production lines there and choose equipment
- Achieved around 10% capex reduction on equipment purchase and around 30% cost reduction on raw materials by establishing a long-standing relationship with the Chinese supplier
- Prepared project financial evaluation, accessed costs and ROI and worked with Chinese suppliers

EDUCATION

Specialist* in International Science & Tech Cooperation

09/2007 - 07/2013

National Research Nuclear University 'MEPhI', Moscow, Russia

One of the top 5 Russian universities, according to Forbes

**Equivalent to Master's degree, according to the Centre for Quality Assessment in Higher Education in Lithuania, EU.*

- GPA 5.0 out of 5.0. Top 5% of students
- Received Potanin Foundation scholarships twice (2008/2009 and 2010/2011)

PROFESSIONAL DEVELOPMENT

- **Data Science in Python by University of Michigan, 08/2019**
- **Applied Machine Learning in Python by University of Michigan, 08/2019**
- **CFA Level 1, 06/2017**