DANIIL MOROZKOV

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EDUCATION

University of Southern California, Marshall School of Business – Los Angeles, CA   **August 2022 – December 2023**
Master of Science, Finance
- **Honors:** Dean's List, Selective merit-based Scholarship of $12,000, GPA 3.6
- **Relevant Coursework:** Machine Learning, Probability & Statistics, Applied Time-Series Forecasting

Moscow State Institute of International Relations (University) – Moscow, Russia   **August 2018 – July 2022**
Bachelor of Science, Economics
- **Honors:** Dean's Scholarship, GPA 3.8
- **Activities:** President of Economics and IT Club - Directed organization of social events and team projects

SKILLS

- **Programming Languages:** Python, R, SQL, C++, JavaScript, Solidity
- **Big Data & Machine Learning:** AWS, Spark, Hadoop, MongoDB, TensorFlow, PyTorch
- **Analytics and Visualization Tools:** Excel (e. g. pivot table, vlookup), Tableau, Power BI, SAS, Google Analytics
- **Data Science & Miscellaneous Technologies:** A/B testing, ETL, Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Time-Series, Experimental design, Hypothesis testing, OOP, FastAPI, Streamlit, Git, Jira

EXPERIENCE

Adoriasoft – Los Angeles, CA   **December 2022 – December 2023**
Data Analyst
- Ranked as Top 3 of 15+ interns for playing a pivotal role in the deployment of a strategic project into production through persuasive data interpretation and visualization, facilitating a 15% reduction in operational costs.
- Led the successful launch of customer predictive scoring model employing Random Forest Classifier on AWS to rank the customer database, enhancing customer experience and engagement by 30%.
- Initiated and executed a data-driven strategy for the development of KPI-focused dashboards using Power BI, resulting in a 20% improvement in decision-making efficiency across teams.
- Directed 7-member team in the innovative implementation of advanced A/B testing models, profoundly optimizing business processes, and achieving a 25% boost in conversion rates.

Sberbank – Moscow, Russia   **June 2021 – May 2022**
Data Analyst
- Catalyzed a significant 18% annual growth in portfolio value by executing in-depth econometric modeling on 10-year financial datasets, identifying key market trends and seasonality.
- Designed and monitored key performance reports ad-hoc using Tableau and Excel, achieving a 25% improvement in data-driven strategy and a 30% enhancement in operational outcomes.
- Developed and streamlined a SQL database of over 500,000 records to enhance data integrity, improve data collection methods, and automate the reporting process, reducing data retrieval time by 20%.
- Collaborated closely with cross-functional teams to identify and resolve component and data quality issues, ensuring data integrity and consistency throughout the organization.

PROJECTS

Heart Disease Prediction Using Machine Learning (Python, TensorFlow, SQL**)**
- Engineered a predictive model to identify individuals at high risk of developing heart disease. Analyzed a dataset containing patient demographics, health metrics, and lifestyle factors. Achieved an accuracy of 88% in predicting heart disease, significantly aiding in early diagnosis and preventive healthcare strategies.

Real-Time Traffic Congestion Prediction System (Python, TensorFlow, Tableau, Spark**)**
- Deployed a Real-Time Traffic Congestion Prediction System using big data analytics and deep learning, achieving 88% accuracy and reducing commute times by 15% in test areas through dynamic traffic management strategies.

Reinforcement Learning Trading Bot (Python, TensorFlow, AWS):
- Leveraged a Deep Q-Network (DQN) approach that allowed the bot to weigh potential rewards against actions, leading to optimized trading decisions over iterations.