SKOVORODKO ALEXANDER

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https://github.com/Skovorodko

EDUCATION

Master's Degree in Computer Science
Financial Technologies and Data Analysis
🏛 HSE University
📅 September 2021 - June 2023   📍 Moscow, 11 Pokrovsky buld.

Thesis:
Modeling and Implementation of a Trading Strategy on the Stock Exchange

Bachelor's Degree in Economics
Economics and Statistics
🏛 HSE University
📅 September 2016 - June 2020   📍 Moscow, 11 Pokrovsky buld.

Thesis:
Digital Economy and its Development in the Russian Federation.

WORK EXPERIENCE

JSC Institute Orgenergostroy
Data Analyst
📅 August 2022 - current   📍 12. Presnenskaya emb., Moscow

Case: Developing and deploying a web application using Flask and PostgreSQL in Docker containers.

Result: A convenient access to information about the work was created, taking into account the financial and economic costs for the department.

Case: A production application based on the Streamlit platform was developed and configured, which allows performing analytics based on updated databases and Excel documents.

Result: Reduction of time for analytics by 35% compared to using Excel and the emergence of the possibility of operational analysis and real-time management decision making.

Case: Development and utilization of the SuperSet BI system with Postgres databases.

Result: Creation of over 10 dashboards to evaluate project status.
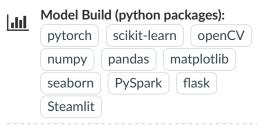
Borets International Ltd.
Economist
📅 November 2020 - February 2022   📍 5, Moldavskaya str., Moscow
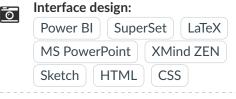
Case: Developed and implemented a centralized PostgreSQL database to track product catalog changes and analyze trends in the cable industry across multiple countries.

Result: Streamlined data management and improved efficiency, resulting in reduced time costs compared to Excel-based solutions for the past 5 years.

SOFTWARE SKILLS

Model Build (python packages):
pytorch scikit-learn openCV
numpy pandas matplotlib
seaborn PySpark flask
Steamlit

Database:
postgreSQL SQLite Vertica
hadoop MS Access

Interface design:
Power BI SuperSet LaTeX
MS PowerPoint XMind ZEN
Sketch HTML CSS

Additional:
Linux git R MS Excel
IBM SPSS AnyLogic docker

LANGUAGE SKILLS

English (advance) Russian (native)

AREA OF INTERESTS

Professional interests:
Machine and Deep Learning
Analysis of the electoral preferences
Stock Market Analysis

REFEREES

Prof. Vladimir Mkhitarian
🏛 HSE associate professor
Statistics and Data Analysis Department
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Case: Created an algorithm for calculating the costs of cable production and optimized price calculation algorithms.

Result: Formed a dedicated database for cost calculation, leading to an 18% increase in efficiency for tender preparation.

Case: Collected and analyzed data on the current and planned costs of the cable plant.

Result: Conducted a plan-factor analysis of the enterprise.

State Corporation Rostec

Business Analyst

📅 May 2019 – October 2019   📍 24, Usacheva str., Moscow

Case: Market analysis and identification of characteristics of Li-Fi technology for the use in the "Wireless Technologies" RoadMap.

Result: Technical requirements for the technology were adopted in the RoadMap, the potential for gradual development of the technology and the level of readiness to use the equipment were determined.

Case: Analyzed the unmanned vehicles market and identified key market development trends for LiDAR technology.

Result: Provided numerical estimations of growth rates in the autonomous machines market, considering the decreasing prices of LiDAR technology.

Alef Bank

Analyst-intern

📅 June 2018 – August 2018   📍 21/33, Krzhizhanovsky str.,Moscow

Case: Collection, analysis and classification of orders and transactions of customers who trade online through the Bank's brokerage accounts.

Result: The database for more than 500 clients of the company was created and optimized.