

SKOVORODKO ALEXANDER

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EDUCATION

Master's Degree in Computer Science

HSE University

September 2021 - Ongoing

Moscow, 11 Pokrovsky buld.

Bachelor's Degree in Economics

HSE University

September 2016 - June 2020

Moscow, 11 Pokrovsky buld.

Thesis:

Digital Economy and its Development in the Russian Federation

Thesis score: 7 out of 10

WORK EXPERIENCE

JSC Institute Orgenergostroy

Data Analyst

August 2022 - current

12. Presnenskaya emb., Moscow

Case: Developed and deployed web application using Flask and PostgreSQL within Docker containers. Utilized Flask as the web framework and PostgreSQL for database management, and leveraged Docker for containerization and efficient delivery of the application.

Result: The created application made it possible to provide information on the work of the whole department in a convenient way.

Case: Database development and integration with python.

Result: Expertly designed and deployed database solutions based on existing Excel files, utilizing both SQLite for local deployments and Docker-based PostgreSQL for scalable, production-ready solutions. Automated database creation and updates with Python scripts, delivering efficient and reliable data management.

Case: Development and use of the SuperSet BI system based on Postgres databases.

Result: Many dashboards (>20) were built for a number of projects, which helped to quickly visualize and assess the current state of projects.

Add: Parsing cross rates data using Russian Central Bank API.

Borets International Ltd.

Economist

November 2020 - February 2022

5, Moldavskaya str., Moscow

Case: Formation of a database of the nomenclature produced by the enterprise on our local service using SQLite to store information on all types of products, as well as to fulfill queries and calculate the cost of cable equipment.

SOFTWARE SKILLS



Model Build (python packages):

pytorch scikit-learn openCV
numpy pandas matplotlib
seaborn PySpark flask



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)

SOCIAL LIFE



Blood transfusion program

Participant (2018)



HSE Marathon

Participant (2016, 2017)

AREA OF INTERESTS

Professional interests:

ML 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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Result: The created database allows to track all changes in the product catalog over the past 5 years, clearly demonstrates the trends in the cable industry for each country, and it is also more optimal and universal. Thanks to it, time-costs in the country with the performance of the same tasks in Excel are reduced.

Case: Creation of an algorithm for calculating the costs of cable production, optimization of price calculation algorithms.

Result: A database for calculation has been formed, which increases the efficiency of work on preparing a tender by 50%.

Case: Collection and analysis of data on the current and planned costs of the cable plant.

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

State Corporation Rostec

Analyst

📅 July 2019 – October 2019

📍 24, Usacheva str., Moscow

Case: Defining the funding strategy and selection process for digital projects by VEB.RF

Result: The State Corporation received funding from VEB based on requirements for projects in the following areas: Infrastructure, High-Tech Industry.

Case: Development of requirements for selection and implementation of high-tech projects by Rostec to make them eligible for financial support of Russian Export Center at an early stage.

Result: projects that met REC requirements were selected and received support within the NTI.

State Corporation Rostec

Analyst-intern

📅 May 2019 – June 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: Analysis of the unmanned vehicles market and identification of the main LiDAR market development trends.

Result: Numerical estimations of indicators of growth rates of the market of autonomous machines in view of decrease in prices for LiDAR technology were made.

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.
