

# ELENA VOLKOVA

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## Education

### Higher School of Economics (Moscow, Russia)

Sep 2018 - Jun 2022

*Bachelor of Business Informatics with a specialization in Data Analysis*

8.49/10 GPA

### Apple Developer Academy, University of Federico II, Naples, Italy

Sep 2023 – Jun 2024

*Business, Software engineering, UI/UX Design*

## Experience

### Business Analyst — Rostark (Energy Performance Company in Russia)

Nov 2020 – Dec 2023

- Analyzed energy performance market by creating Tableau and Looker Studio Dashboards. Based on the dashboards prepared and presented weekly, monthly and yearly reports.
- Developed business process models: identified weaknesses in as-is state of multiple processes and created to-be models which were then integrated into the operations of the company and optimized the time of completion by approximately 20%.
- Managed IT systems of the company: maintained CRM and ECM systems, integrated automated processes inside the systems for optimized workflow.
- Created and maintained the website of the company.

## Featured Projects & Research

### Digestive Health Tracker iOS App

Mar 2024 – Jul 2024

*SwiftUI* *SwiftData* *SwiftCharts* *CoreML*

- Created an iOS application for individuals with digestive health issues in a team of six. The application is available in AppStore. My responsibilities included:
  - developing the database structure;
  - implementing an advanced data analysis system that provides valuable insights and identifies significant trends with CoreML integration;
  - conducting market research, A/B testing and subsequent analysis of results;
  - developing a strategy and creating a marketing presentation for the solution;
  - implementing a meal and symptoms logging and analytics system.

### City Discovery iOS App

Feb 2024 – Apr 2024

*SwiftUI* *MapKit* *SwiftData* *GameKit*

- Created an iOS geographical app with an interactive experience in a team of five. The application is available in TestFlight. My responsibilities included:
  - developing the database structure;
  - working as a backend developer;
  - conducting an extensive market research and gathered feedback from testers and potential users to improve the quality of the solution.

### Analytical Study of Company Products *Work Project*

Oct 2022 - Mar 2023

- Analytical study of the products (services) of an energy service company based on sales data and customer evaluations. Data visualization and presentation of results to the management.

### Strategic analysis of energy performance company *Bachelor Thesis*

Nov 2021 - Jun 2022

- Researched the state of energy performance market in Russia based on data gathered while working as a business analyst at a local company. Conducted strategic analysis based on Tableau dashboards and their examination.

### Research on Machine Learning Models *Research Project*

Jan 2021 - May 2021

- Building and training machine learning models using pandas and Sklearn libraries for data analysis and matplotlib for plotting. Evaluating the performance of models using various metrics.

## Skills

**Programming:** Swift, Python, SQL, C#

**Tools:** Microsoft Excel, Jupyter Notebook, Visual Studio, GitHub, Tilda, Figma, Tableau, Looker Studio, MS SQL Server, Azure Data Studio, Power BI

**Languages:** Russian (Native), English (Fluent)