

## SUSHKO DANYLO

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### Education

#### Taras Shevchenko National University of Kyiv

Economics, Bachelor in Economic Cybernetics, GPA 3.8

Kyiv, Ukraine

Jun, 2025

- Formation of systemic thinking in solving economic problems for management in the economy.
- Strong command of mathematical apparatus, methods of mathematical modeling, computer modeling and their application in economics
- Formation of professional IT competencies Mastering methods and systems of decision support in economics and business, acquiring practical skills in identifying decision-making problems

#### Kherson Physical and Technical Lyceum

GPA 3.8

Kherson, Ukraine

Jun, 2021

- Advanced study of mathematics, physics, computer science, two foreign languages

### Experience

#### FACE 2 SIMPSON

[Only model link](#) | [Extended project link](#) | [Website](#)

Project

Aug 2023 – Sep 2023

- **A machine learning model** to determine which "**The Simpsons**" character you resemble the most.
- A portfolio project done by a team of 2 people demonstrating my skills in **Image Recognition**.
- **Tools in use:** *My part:* **Python ML Model (PyTorch)** | *Teammate part:* Next.js | AWS S3
- **Sophisticated Retraining:** We've integrated an advanced retraining system to keep our model consistently accurate over time. Its primary goal is to maintain peak performance, adapting to evolving data.
- **Accuracy & Data:** Our model achieves a **77%** accuracy in predicting four key characters. It's trained on a dataset containing 350 carefully chosen images for each character (**Homer, Marge, Bart, Lisa**). These images were meticulously curated from online sources using a **custom script**.

#### NYPD Arrest Data

[Project link](#)

Project

Aug 2023 – Sep 2023

- This **data analysis** project dataset contains information about crimes in NYC between 2023-01-01 and 2023-06-30
- **Five different questions were explored.** A couple of them:
  - **Question 1:** Which age group and gender has the most number of crimes?
  - **Question 4:** What are the general trends in the reported crimes between 2023-01-01 and 2023-06-30 monthly?
- **Included** an option to change the color palette for people with **color reproduction problems**.
- Analysis steps included: Data Cleaning + Preprocessing and Data Analysis + Visualization

#### Forecasting Mini-Course Sales

[Project link](#)

Project

Jul 2023 – Aug 2023

- This **machine learning** project includes **Exploratory data analysis** and **ML model building**.
- In this problem, we **forecast the sales of different fictional training modules** over a whole year in different fictional Kaggle-branded stores in different (real!) countries. This dataset is completely synthetic, but contains many effects found in real data, such as weekend and holiday effects, seasonality, etc. **The task was to forecast sales in 2022.**

### Skills & Interests

**Technical:** Python, SQL, MS Office, Tableau | Data Visualization | Machine Learning | Data Analysis

**Language:** Ukrainian: **native** | English: **upper intermediate** | Russian: **native**