ILYA DROBYSHEVSKIY

Moscow, Russia

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EDUCATION

- **Higher School of Economics** — Moscow, Russia
  Bachelor of Applied Mathematics and Computer Science; GPA: 7.38 — *Sep 2021 – Present*
  - **Relevant courses**: Algorithms and Data Structures, Programming in Python, C++, Linear Algebra, Probability Theory and Statistics, Graph Theory, Abstract Algebra, Calculus.

- **Gymnasium №7** — Vitebsk, Belarus
  GPA: 9.5 — *Sep 2010 – May 2021*

SKILLS

- **Languages**: Russian (Native), English (Upper-Intermediate), Polish (Upper-Intermediate)
- **Programming languages**: Python, C/C++, Bash, Assembly
- **Technologies**: Git, Docker, GDB, SQL, Markdown, HTML
- **Software skills**: Django, Flask, NumPy, Pandas, Plotly/Dash

PROJECTS

- **Cian-Avito**: A team Python/Vue.js project, the essence of which is to obtain information about apartments from popular services and display on the map with option immediately calculate the mortgage (number of years, monthly payment).

- **Background separation on the video**: I separate moving objects from static ones in a video with different lighting using NumPy SVD and Randomized SVD

- **Image-processor**: A console application that allows to apply various filters to images, similar to filters in popular graphic editors.

- **Olist analyzing**: In this notebook I tried myself as an analyst in the Brazilian marketplace Olist. I researched the data and made conclusions based on them that will help the business grow.

- **Diamond price prediction**: Linear model for diamond price prediction. Used optimizations: polynomial features, L2-regularization.

- **SVD**: Example of data compression with singular value decomposition.

TEACHING EXPERIENCE

- **Higher School of Economics** — Moscow, Russia
  Teacher assistant on the Linear Algebra course — *Sep 2022 – Present*
  - **Tasks**: Checking individual homeworks of a group of 30 people, assistance in conducting exams and consultations.

- **Higher School of Economics** — Moscow, Russia
  Main assistant on the Calculus-online course — *Jan 2023 – Present*

EXPERIENCE

Nothing so far, but I'm doing my best