ILYA DROBYSHEVSKIY

Moscow, Russia

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EDUCATION

- **Higher School of Economics** — Moscow, Russia
  Bachelor of Applied Mathematics and Computer Science; GPA: 8.32/10   *Sep 2021 – Present*
    - **Relevant courses**: Algorithms and Data Structures, Linear Algebra, Matrix Computation, Probability Theory and Statistics, Graph Theory, Abstract Algebra, Calculus.

SKILLS

- **Languages**: Russian (Native), English (Upper-Intermediate), Polish (Upper-Intermediate)

- **Programming languages**: Python, C/C++

- **Technologies**: Git, Docker, Markdown, LaTeX

- **Libraries**: NumPy, Scipy, Pandas

PROJECTS

- **JPEG**: «Toy» version of JPEG for black-white pictures using 2-d discrete cosine transform(DCT-II)

- **Recommendation model**: Simple recommendation model based on ALS(low-rank approximation)

- **Compressed Sensing and Deconvolution**: Compressing using Fast Fourier Transform(FFT) and implementation of Gaussian blur(from original to gaussed and from gaussed to reconstructed)

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

- **Ordinary Least Squares**: Implementation of some functions from statsmodels such as least squares estimate, confidence intervals, standard deviation, t-test and F-test

- **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.

TEACHING

- **Higher School of Economics** — Moscow, Russia
  Teacher assistant on the Linear Algebra, Probability Theory and Calculus courses   *Sep 2022 – Present*

EXPERIENCE

Nothing so far, but I'm doing my best