



# Elizaveta Ovsianik

Data Science | ML Engineer |  
ML Researcher

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🌐 eovsianik    📧 ac\_centor

## SKILLS

### Python

torch, NumPy, Pandas,  
Visualization, scikit-learn

### Data Science

Data Preparation, HDFS, Spark

### Machine Learning

CV, NLP, DETR, ViT, BERT

### Mathematics

Computational Mathematics,  
Mathematical Analysis,  
Probability Theory, Linear  
Algebra

### Statistics

## CERTIFICATIONS

Deep Python at VK  
Education Center  
VK  
2023/12

## LANGUAGES

<b>English</b>	<b>Russian</b>
B2 - Upper Intermediate	Native Speaker

## SUMMARY

I'm a recent graduate with a Master's degree in Machine Learning. I'm particularly interested in machine learning, especially as it interacts with computer vision and natural language processing to better understand contextual images and text.

I'm adept at Python and its data science libraries, such as Numpy, Pandas, scikit-learn, PyTorch etc. I can use these tools to perform data manipulation, visualization, machine learning, deep learning, natural language processing and more.

## EXPERIENCE

**Scientific and production association Orion**    2021/04 - 2022/11  
Engineer  
🔗 orion-ir.ru

- Performing calculations of optical and optoelectronic systems. Development of design documentation and regulatory documents.

## PROJECTS

**Consistent colorization of manga characters**    2024/02 - 2024/06  
🔗 github.com/eovsianik/colouranga

Create the pipeline for consistent colorization of manga characters, which allows you to automate the process of character colorization while preserving their base colors. Using DETR for characters detection and recognition and ViT for creating a vector representation of character. The diffusion model is used for coloring.

CV, diffusers, ViTMAE, Conditional DETR, PyTorch

**Deep Python Course Project Assortment**    2023/09 - 2023/12  
🔗 github.com/eovsianik/deep\_python\_ovsianik

OOP, Async Programming, Profiling, Logging, Python's C extensions

## EDUCATION

**Moscow Institute of Physics and Technology**    2022/09 - 2024/06  
Machine Learning    Master's degree  
🔗 girafe.ai

**Bauman Moscow State Technical University**    2016/09 - 2022/07  
Optics and Laser Technology    Specialist Degree  
🔗 rlm.bmstu.ru