



# Elisey Zhdanov

*Résumé title(for April 2025 y.)*

## Education & Work

- 2015–2022 **High**, *FMS №2007*, Moscow, *GPA: 4.9/5*
- 2022–now **3rd year bachelor**, *MIPT DREC*, Moscow, *GPA: 9.03/10*
- 2024–now **Intern researcher**, *IITP RAS*, Moscow

## Experience

### Courses

- 2024 **MIPT Digital Department DS&ML course Diploma**, Moscow  
Course includes general DS&ML knowledge, basics of NLP, CV

### Competitions

- 2021, 2022 **International Astronomy Olympiad(IOAA, OWAO) x2 Gold medal laureate**  
Main official international astronomy competition

### Articles

- 2024 **ITAS**, Voronezh  
<https://elibrary.ru/item.asp?id=78752029>  
HYPERSPECTRAL RECONSTRUCTION OF NOISY IMAGES: A PROBABILISTIC MODEL

### Main projects

- 2024–2025 **IITP commercial task**  
Research of neural network methods of image upscaling and image matching, creation of hyperspectral HDR images.
- 2025 **NIR Challenge NTIRE workshop CVPR 2025**  
Night Photography Rendering Challenge 2025 Co-organizer  
<https://nightimaging.org/>

\* 29 June 2004






- 2024 **ParaCL**  
C++ project, custom C-like language. Provides an interpreter for the ParaCL language  
[github.com/Elisey-e/ParaCL](https://github.com/Elisey-e/ParaCL)
- 2019-2020 **Sky-learn(Science-educational project)**  
Python project about astronomy, made using PyQt. Provides loading and marking of star maps, as well as constellation recognition  
[github.com/Elisey-e/Sky\\_learn](https://github.com/Elisey-e/Sky_learn)









## Languages

Russian	Native	
English	B2	Write, read and speak as natively
Chinese	A2-B1	Know much technical lexis

## Skill matrix

Skill matrix:

	basic knowledge		extensive project experience
	intermediate knowledge with some project experience		deepened expert knowledge
			expert / specialist

	Level	Skill	Years	Comment
Language:		Python	7	Lerned both at school and at courses.
Data science:		DS	1	JSON, CSV, Pandas, MPL frequent experience, statistic&optimization tasks&algo
		CV	1	ViT, CNN, Image Matching, Up-scaling, CV week(GAN & SD), YoLo(segmentation+classification), OpenCV, OCR, Contrastive learning
		NLP	1	QLora finetune Qwen(russian dataset)
ML environ-ments:		Pytorch	1	Implemented and trained architectures nn.module ViT+CN, pipeline training, tensorboard
		Other frameworks	1	Higgingface, OML, scikit-learn
		NN models	1	RealESRGAN, AVAN/DRAN, LLaMa, Qwen(QLora), MST++, Resnet&DinoViT(OML), Yolov8, etc.
		Etc	1	Flash Window attention implementation(triton+pytorch)

## References

\* 29 June 2004

**MIPT**

March 25, 2024

Dear Sir or Madam,

I am a third year MIPT bachelor. CV researcher. Interested in RnD, ready for challenges and difficulties and cope with them.

Here are some relevant open-source projects/implementations/works:

- IIPT Python 25 Spring
- Kryptonite ML Challenge
- VK Hakaton
- LLaMA Adapter 1

Now work and research in the 11.1 sector (Reproduction and Synthesis of color) at IITP RAS. Taking part in research and commercial hackathons (mainly ML, DS), continue to study CV and NLP. Very interested in SOTA approaches at the junction of these disciplines and their development. Also, enthusiastic about the commercial development of advanced scientific research.

Yours faithfully,

**Elisey Zhdanov**

*Attached: curriculum vitæ*

**Elisey Zhdanov**

\* 29 June 2004

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