

# OLGA KOLOMYTTSEVA

## EDUCATION

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**Moscow State University**  
*Faculty of Mechanics and Mathematics*  
*Scholarship*

*Moscow, Russia*  
*2019 – 2025*

## PROJECTS

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**Lungs classification** 2020

- Created a model that classifies frontal and lateral X-ray images
- Got 1.0 private score on Sirius school challenge
- **Tools:** Python, PyTorch

**Coursera "Introduction to deep learning"** 2020

- Solved several tasks offered during the course: Writing CNN architecture for CIFAR-10 dataset, Generating human faces with GAN, Generating names with RNN, Image Captioning
- **Tools:** Python, TensorFlow, Keras

**System for real-time monitoring of transport movements** 2017 – 2019

- Developed a tracking system for transport on RUSAL factory in a team
- **Tools:** C, Arduino

## TEACHING EXPERIENCE

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### UMSCHOOL

*Physics tutor*

*Moscow, Russia*  
*Sep 2019 – Jan 2020*

Helped students to prepare for the physics exam in their last year of school: checked their homework, answered online questions on various topics from school physics.

## SECONDARY EDUCATION

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### Sirius

*Application of AI technologies for medical image analysis*

*Online school*  
*July 2020*

### Coursera

*Introduction to Deep Learning*

*Introduction to Machine Learning*

*Online course*  
*July 2020*  
*August 2020*

### Tinkoff Generation

*Algorithms and Data Structures*

*Moscow, Russia*  
*Sep 2018 – Dec 2018*

### University Gymnasium

*Mathematics and Physics specialization*  
*Scholarship*

*Moscow, Russia*  
*2017 – 2019*

### The Astrophysical School

*Traektoria Foundation*  
*Scholarship*

*Observatories of Russia and Europe*  
*2015 – 2019*

## SKILLS

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**Proficient in:** C, C++, Python

**Familiar with:**  $\text{\LaTeX}$

**Technologies:** Linux, Bash, Vim, Git, Anaconda

**Languages:** English (C1-C2 level), German, Russian (native speaker)