

# Kozlov Kirill

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## EXPERIENCE

**Teaching Assistant (various Physics and Machine Learning courses)**  
– *Higher School of Economics, Moscow*

02/2022 – PRESENT

### Duties

- Working with classical ML, basics of NLP (BERT, Fasttext), RNN, Generative networks
- Consultations for students

**Junior Scientist – Moscow State University Quantum Technology Centre, Moscow**

07/2022 - PRESENT

### Duties

- Simulation of optics for the experiment (Success)
- QUBO formulation for practical NP-hard tasks (Success)
- Implementation of the articles and its discussions

## EDUCATION

**Bachelor of Science in Physics – HSE National Research University, Moscow**

AUG 2020 – MAY 2024 (EXPECTED)

- Diploma thesis: *Optical solver for NP-hard tasks*
- Prokhorov General Physics Institute of the Russian Academy of Sciences, Quantum technologies, basic department
- GPA: 8.23/10.0

## CONFERENCES

**Poster session, Student Conference, Higher School of Economics, Machine Learning**

*Moscow, Voronovo*

MAY 2023

**Student Conference: Fall into ML, Higher School of Economics**

*Moscow*

NOVEMBER 2023

**MIPT forum on Artificial Intelligence**

*Moscow*

APRIL 2023

## INTERESTS

- Optical calculations
- Modelling of physical processes
- NLP/CV

## SKILLS

### Knowledge

Physics  
Mathematics  
Neural networks

### Technical

Python  
Git  
LaTeX  
Scientific mind

## LANGUAGES

Russian - NS  
English - B2

## AWARDS

**Winner of hackathon "Digital breakthrough" Address Matching**

*Moscow*

AUG 2023

**Prize winner of hackathon Yandex I am Professional AI section**

*Moscow Institute of Physics and Technology*

APRIL 2023

## INVOLVEMENT

**Project: Optical calculations**

02/2022 – PRESENT

*MSU Quantum Technology Centre*