

# Mikhail Gorelyi

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## EDUCATION

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**National Research University Higher School of Economics**  
Bachelor's in Applied Mathematics and Information Science

Moscow  
2020–present

## EXPERIENCE

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**HSE University**  
Research Trainee at Laboratory of Complex Systems Modeling and Control

- Analysis of dynamical systems displaying self-organized criticality.
- Under supervision of Alexander Borisovich Shapoval

Moscow  
2021–present

## SKILLS

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- **Programming Languages:** C, C++, Python
- **Frameworks and Tools:** Git, LATEX, Docker, Flask
- **Knowledge:** Algorithms and Data Structures

## LANGUAGES

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- **Russian:** mother tongue
- **English:** fluent
- **CAE:** Pass at grade A(C2)

## PROJECTS

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- JPEG decoder (C++, 2021)  
A program, which decodes a JPEG file
- Scheme parser (C++, 2021)  
A program, which parses Scheme code
- Summer practise in Data Analysis (Python, Flask, Yandex APIs, 2021)
- An app which shows a detailed analysis of the upcoming weather in the desired city

## EXTRACURRICULAR ACTIVITIES

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- Competitive programming  
*Take part in different competitive programming competitions.*
- Swimming  
*Used to participate in regional competitions.*
- Poetry contest  
*Participated in a sonnet contest related to Shakespeare.*  
*Finished in 3rd place.*

London, Winter 2019
- Academical competition participation  
*Participated in ITMO Universitys International Open Competitions in Computer Science.*  
*3rd degree winner.*

2018
- Academical competition participation  

2019

*Participated in HSE Universitys team competition “Highest Probe”.  
2nd degree winner.*