

# Mikhail Gorelyi

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GitHub: [github.com/gorelyimikhail](https://github.com/gorelyimikhail)



## 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.

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): [https://github.com/GorelyiMikhail/jpeg\\_decoder](https://github.com/GorelyiMikhail/jpeg_decoder)  
A program, which is capable of decoding a JPEG image. Created as an assignment of an advanced C++ course.
- Scheme parser (C++, 2021): [https://github.com/GorelyiMikhail/scheme\\_parser](https://github.com/GorelyiMikhail/scheme_parser)  
A program, which simulates Scheme language behaviour. Created as an assignment of an advanced C++ course.
- Weather aggregator (Python, Flask, 2021): [https://github.com/GorelyiMikhail/weather\\_collector](https://github.com/GorelyiMikhail/weather_collector)  
An app which shows a detailed analysis of the upcoming weather in the desired city. Created as an assignment of summer practice.

## EXTRACURRICULAR ACTIVITIES

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- Competitive programming  
*Took part in different competitive programming competitions.*
- Swimming  
*Used to participate in regional competitions.*
- Academic competition participation  
*Participated in ITMO Universitys International Open Competitions in Computer Science.*  
*3rd degree winner.* 2018
- Academic competition participation  
*Participated in HSE Universitys team competition “Highest Probe”.*  
*2nd degree winner.* 2019