

Mikhail Gorelyi

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EDUCATION

National Research University Higher School of Economics

Bachelor's in Applied Mathematics and Information Science

Moscow

2020–present

EXPERIENCE

HSE University

Research Trainee at Laboratory of Complex Systems Modeling and Control

Moscow

2021–present

- Analysis of dynamical systems displaying self-organized criticality.

SKILLS

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

LANGUAGES

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

PROJECTS

- JPEG decoder (C++, 2021): 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
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
An app which shows a detailed analysis of the upcoming weather in the desired city. Created as an assignment of summer practice.

EXTRACURRICULAR ACTIVITIES

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