Telegram: helliswrongwithyou
GitHub: Dima-aka-dima
E-mail: dlvorobev@edu.hse.ru

Vorobev Dmitrii

EDUCATION		
AESC (Kolmogorov) MSU, Moscow		
Boarding school		2018-2019
National Research University Higher School of Economics, Moscow		
B.Sc. at Faculty of physics, GPA: **9.64/10**		2019–2023 (expected)
Russian Academy of Sciences Landau Institute for Theoretical Physics, Chernogolovka		
Attending basic department.		2021–2023 (expected)

EMPLOYMENT

- Laborant, IZMIRAN   Feb 2022 – present
- Laborant, Landau ITP   Dec 2022 – present
- Software Developer, DriveCast   Jun 2022 – present
- Software Developer, Amvera   Sep 2022 – present
- Teaching Assistant, HSE
  - Mathematical Physics   Jan 2022 – Jun 2022
- Physics Teacher   Jun 2021

CONFERENCES

- XVII annual conference "Plasma physics in Solar system"at Space Research Institute. Automatic detection of solar magnetic tornadoes based on computer vision methods; Vorobev D. L., Blumenau M. I., Khabarova O. V., Obridko V. N
- EGU22, Automatic detection of solar magnetic tornadoes based on computer vision methods; Vorobev D. L., Blumenau M. I., Khabarova O. V., Obridko V. N.; (EGU22-11501)
- COSPAR-2022, Automatic detection of solar magnetic tornadoes based on computer vision methods; Vorobev D. L., Blumenau M. I., Khabarova O.V., Obridko V. N.; (30155)
- Voronovo-2022. Poster session. Automatic detection of solar magnetic tornadoes based on computer vision methods; Vorobev D. L., Blumenau M. I., Khabarova O.V., Obridko V. N.;

TECHNICAL SKILLS AND LANGUAGES

- *Programming Languages*: Python, Mathematica, C++, LabVIEW
- *Technical Software*: Git, LaTeX, UNIX systems
- *Languages*: Russian (Native speaker), English (TOEFL 108)

ACHIEVEMENTS AND ACITIVITIES

- **Theoretical minimum at Landau ITP**
  - Mathematics I, 2020, to Alexey Ioselevich
  - Quantum Mechanics I, 2022, to Mikhail Feigelman
- **International Theoretical Physics Olympiad**, 2020, 2021, participant
- **International Data Analysis Olympiad**
  - 2020, participant
  - 2021, prize winner (2nd place)
- **Theoretical Physics Research Practicum** (organaized by Leonid Levitov of MIT)
  - Classical Hamiltonian Annealing, led by Anatoli Polkovnikov   Aug 2020
  - Error Correcting Codes, led by Anatoly Dymarsky   Aug 2021 – Feb 2022
  - S-Matrix Bootstrap, led by Alexander Zhiboedov   Aug 2022
- International Physicists Tournament. Team member. 3rd degree diploma, 2020
- Competitive Programming events
- High school level olympiads
  - Moscow State Olympiad for High school students, Physics; Prize winner
  - MIPT's Olympiad; Math; Winner
  - MIPT's Olympiad; Physics; Prize winner
  - Russian State Regional Olympiad; Physics, Math, Chemistry (separately); Prize winner

- Physics courses at Landau ITP

  - Mathematical physics I&II — Jan 2021 – Dec 2021
  - Functional Integration — Jan 2022 – Jun 2022
  - Langevin dynamics and kinetics of non-equilibrium systems — Jan 2022 – Jun 2022
  - Diagrammatic technique for many-body physics — Sep 2022 – Dec 2022
  - Introduction to statistical hydrodynamics — Sep 2022 – Dec 2022
  - Stochastic processes and modeling in physics — Sep 2021 – Dec 2021
  - Nonlinear wave processes — Sep 2021 – Dec 2021

- Programming courses at HSE

  - Computational Physics — Sep 2020 – Dec 2020
  - Data Analysis and Processing — Jan 2021 – Jun 2021
  - Introduction to Deep Learning — Sep 2021 – Dec 2021
  - Machine Learning I — Sep 2021 – Dec 2021
  - Introduction to machine learning — Jan 2020 – Jun 2020
  - Applied Data Analysis Problems — Jan 2022 – Jun 2022