SASHA IEVLEVA

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EDUCATION

HSE University   Moscow, Russia
B.S. in Applied Mathematics and Computer Science   Sep. 2020 – Present
- **Specialization**: Distributed Systems.
- **Coursework**: Algorithms and Data Structures (advanced), Computer Architecture, Advanced C++, Linear Algebra and Geometry, Probability Theory, Fundamentals of Matrix Computations, Calculus, Discrete Mathematics.
- **GPA** (freshman and sophomore year): 8.25/10.0
- Merit-based scholarship, covering 100% of tuition.

PERSONAL PROJECTS AND WORK EXPERIENCE

Teaching assistant in HSE University:
    Linear Algebra and Geometry course   Sep. 2021 – Jun. 2022
    Probability Theory and Mathematical Statistics course   Sep. 2022 – Present
- Provide students with consulting hours and analysis of previous years' exams and tests.
- Mark submitted homework.
- Help build students' intuition for challenging material. Help with developing the structure of course, organization and conduction of colloquiums.

Completed several coding projects in C++   HSE AMI, 2021 - 2022
- ⌂ Implemented HashMap. Learnt about different approaches to collision resolutions. Implemented one with open addressing.
- ⌂ Implemented Smart Pointers: unique_ptr, weak_ptr and shared_ptr (including make_shared()) from standard C++ Library.
- ⌂ Implemented interpreter for Scheme language.

Telegram bot with CI and automatic deployment   Personal project, 2022
- Used Docker (Watchtower included) and Github Actions to set up CI/CD for deployment to YandexCloud. Implemented a Telegram bot.

Analysis of human movement data collected via mobile phone ⌂   HSE AMI, 2021
- Collected data via g-Force such as walking, running, cycling and driving in order to implement algorithm to learn how to distinguish one another.
- Learnt about Machine Learning (worked with numpy, pandas, matlpoltlib and seaborn libraries in Python). Implemented Fourier transform.

COMPETITIVE PROGRAMMING

All-Russian Olympiad of Computer Science Moscow School Olympiad in Informatics   2020
Bronze Medal – 67th place of about 550 participants.

Russian National Olympiad of Computer Science (semifinal)   2019/2020
Silver Medal – 225th place of about 3500 participants.

Team Olympiad Contest in Programming Vysshaya Proba by HSE university (final)   2019
Silver Medal – 38th place of about 300 participants.

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, HTML/CSS, Assembly, basic Haskell.
Tools: Git, Shell, Docker, Vim, GDB, LaTeX.

ACHIEVEMENTS

Education:
- Summer Informatics School 2017 (Kostroma, Russia), 2018 (Perm, Russia), 2019 (Narva, Estonia). Studied advanced algorithms and data structures.
- Programming School "GoTo" 2019 (Moscow, Russia). Studied functional programming and data analysis.

ADDITIONAL INFORMATION

Languages: English (fluent; IELTS – Band 7.5), Russian (native).
Hobbies: Russian catamaran paddling: Karelia (2017, 2018; distance of 100km), Karelia (2019, 2021; distance of 200 km); Attended Art Studio (2006-Present): numerous exhibitions in different galleries.