Sasha Ievleva

8 (916) 174-10-47 | ievleva.alexa@gmail.com | github.com/Unconsciouszzz

EDUCATION

Higher School of Economics   Moscow, Russia

Bachelor Student in Applied Mathematics and Computer Science   Sep. 2020 – Present

⋄ Merit-based scholarship, covering 100% of tuition.
⋄ **Coursework**: Algorithms and Data Structures (advanced), Computer Architecture, Advanced C++, Linear Algebra and Geometry, Probability Theory, Fundamental of Matrix Computations, Calculus, Discrete Mathematics.
⋄ **GPA** (freshman year): 8.18/10.0

PERSONAL PROJECTS AND WORK EXPERIENCE

Teaching assistant of the Linear Algebra and Geometry course   HSE AMI, 2021 - Present

⋄ Provide student with consulting hours and analysis of previous years' exams and tests.
⋄ Mark submitted homeworks.
⋄ Help build students' intuition for LAaG material. Help with developing the structure of course, organization and conductions of colloquiums.

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.

Implemented HashMap   HSE AMI, 2021

⋄ Learnt about different approaches to collision resolutions. Implemented one with open addressing.
⋄ Improved C++ skills.

Week-long Programming Camp for 7-10th grade students   Academic School 1534, 2020

⋄ Prepared materials and gave 7 lectures. Developed a range of algorithms syllabi.
⋄ Created 3 programming contests.

Website with information about films   Academic School 1534, 2019

⋄ Improved programming skills in HTML/CSS, SQL.

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 250 participants.

All-Russian Olympiad of Computer Science School Olympiad organized by SPbU   2020

Participant – 122nd place of about 500 participants.

TECHNICAL SKILLS

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

ACHIEVEMENTS

Education:

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

ADDITIONAL INFORMATION

Languages: Russian (native), English (fluent; IELTS – Band 7.5).
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.