

SERGEI LOPTEV

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EDUCATION

Higher School of Economics

Sep 2019 – Expected Jun 2023

Bachelor in Applied Mathematics and Information Science

GPA: 9.18/10.0

Samara Lyceum of Information Technology

Sep 2017 – Jun 2019

Received a gold medal for academic excellence.

WORK EXPERIENCE

Linear Algebra Teaching Assistant

Sep 2020 – Jun 2021

Higher School of Economics

Moscow, Russia

Software Engineering Intern

Jul 2020 – Sep 2020

Huawei

Moscow, Russia

Ported an OS performance analysis system from Linux to Windows 10. Implemented a GUI for OS performance analysis tool using Python and Tcl/Tk.

Algorithms Teaching Assistant

Aug 2019

Summer Informatics School

Laagna, Estonia

Developed front-end for a sports [website](#) using HTML5, CSS3 and JavaScript.

Python Developer

Jun 2018 – Aug 2018

SamExpress

Samara, Russia

Developed and maintained some scrapers, including one that searches applications on a website and sends information about them on e-mail using Selenium and SMTP libraries. Developed a program which makes a raw Excel document readable using xlrd, xlwt and xlutils libraries.

SKILLS

Programming Languages

C++, Python, C, Bash

Technologies

Git/GitHub/GitLab, Windows, Linux

Languages

native Russian, advanced English, beginner German

PROJECTS

Hash Map. Implemented hash map with full functionality using separate chaining with linked list in C++.

External Sorting. Implemented external sorting (the algorithm splits all input into blocks, sorts them separately, and then ends up with a sorted array by recursively merging K array's segments) using C++.

ACADEMIC ACHIEVEMENTS

- All-Russian Informatics Olympiad Awardee.
- Winner of "Vyshaia Proba" Informatics Olympiad and all-Siberian Informatics Olympiad.
- Master at Codeforces.

HOBBIES

- Teaching school students algorithms and data structures individually.
- Attending healthy lifestyle.
- Studying two foreign languages: English and German.