

ALEXEY SHCHERBAKOV

Hardware / Software Engineer

@ alex-shch@yandex.ru
github.com/pr0kuk

@ shcherbakov.aa@phystech.edu
linkedin.com/in/alexshch

Moscow, RU



EXPERIENCE

Undergraduate Bachelor

Moscow Institute of Physics and Technology
Dpt. of Radio Engineering and Computer Technology

2019 – 2023 Dolgoprudny, Moscow

- Abramov Fellowship Student
- Honor MIPT Fellowship Student
- Personal Moscow Fellowship Student
- Graduate with honors (4.9/5.0)

Hardware Engineer

Milandr
Integrated Circuits Design Center

Summer 2021 – ongoing Zelenograd, Moscow

- Analog block development laboratory Specialist
- Atmel ATmega8535 AVR-Based dual-phase VRM-Module

Software Engineer

github.com/pr0kuk

Fall 2020 – ongoing Moscow, RU

- Educational projects on posix, sockets and network technologies
- LLVM based primitive compiler (front-, middle-, backend)
- CFL-R-based software analysis tool
- Intel pre-silicon simulator of MIPS and RISC-V CPU

Physics and Mathematics School №2007 with Honors

School №2007

Class of 2019 Moscow, RU

- Gold Medal Graduate
- Honor Graduate with Distinction
- 298/310 Unified State Exam points

UNDERGRADUATE RESEARCH

- Efanov N.N., Fedorov A.R., Shamber E.V., Shcherbakov A.A., Elesina A.P. Pathfinder: software static analyzer based on solving graph reachability problem with CF-constraints // Proceedings of MIPT. — 2021. — V. 13, N 4. — P. 14–29
- Fedorov A.R., Shamber E.V., Shcherbakov A.A. Development of a tool for static pattern detection based on solving reachability problems on graphs in CF-constraints // Proceedings of MIPT - 64th International MIPT Scientific Conference. Applied Mathematics and Computer Science — 2021. - P. 104-105

LIFE PHILOSOPHY

“Zeal is more important than talent.”

MOST PROUD OF

Courage I had
To become an excellent and demanded engineer

Persistence
To be the best among the best

My Academic Progress
Have only excellent grades

STRENGTHS

Hard-working

Dedicated to Perfection

git

UNIX

C / C++

LaTeX

Verilog / Verilog-A

Python

Java

LANGUAGES

Russian
English
German



HOBBIES

Enjoy sports
Play hockey with my friends

Play piano
Music School Graduate with Distinct.

Love good fantasy
Star Wars, Lord of The Rings, Witcher

EDUCATION

B.S. Applied Mathematics and Physics

Moscow Institute of Physics and Technology

2023 Dolgoprudny, Moscow

M.S. Applied Mathematics and Physics

Moscow Institute of Physics and Technology

2025 Dolgoprudny, Moscow