

ALEXEY SHCHERBAKOV

Hardware / Software Engineer

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

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

Hardware Engineer

Milandr
Integrated Circuits Design Center

📅 Summer 2021 – ongoing

📍 Zelenograd, Moscow

- Analog Design Engineer

Software Engineer

github.com/pr0kuk

LLVM based primitive compiler (front-, middle-, backend)

CFL-R-based software analysis tool

Compile-Time SAT3 Solver

Safe Nucleus Custom Memory Manager

Physics and Mathematics School №2007

School №2007

📅 Class of 2019

📍 Moscow, RU

- Gold Medal
- Graduate with honors (5.0/5.0)
- 298/310 Unified State Exam

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 honors



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