

ALEXEY SHCHERBAKOV

Hardware / Software Engineer

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github.com/pr0kuk

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Moscow, RU



EXPERIENCE

Undergraduate Bachelor

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

📅 Fall 2019 – 2023 📍 Dolgoprudny, Moscow

- Abramov Fellowship Student
- Honor MIPT Fellowship Student
- Personal Moscow Fellowship Student
- Average mark for 4 semesters: 9.07/10

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 posix and unix architectures, sockets and network technologies
- Co-Creator of C++ Aerohockey Game
- Co-Creator of CFL-R-based software analysis tool
- Contributor to 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 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. 11, N 1. — P. 1–15
- 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 — 2021.

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 POSIX & UNIX C / C++ LaTeX

Applied Mathematics and Physics

ARM & AVR & x86 Radio Engineering

LANGUAGES

Russian English

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

📅 Summer 2023 📍 Dolgoprudny, Moscow