

Yuriy Grigoryev

C++ developer, Senior student at SibSUTIS in Novosibirsk
(Siberian State University of Telecommunications and Information Sciences)

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Languages

Russian (native)
English (Level C1)
German (Level C1, [ZfA DSD II](#) certificate)




Soft Skills

Asking questions Adaptability
Task prioritizing Analysis

I have strong experience with

| | | | | | | |
|--------|------------|-------|----------|-------|--------------|--------|
| Bash | OpenMP | MPI | LLVM | OOP | Unit testing | GitLab |
| CMake | Makefile | DSA | GDB/LLDB | CI/CD | Git | Docker |
| Matlab | Matplotlib | NumPy | Flex | Bison | | |

Work

| Years | Name of Institution | Position | Location |
|---|---------------------|--|---|
| 2021 - Present | SibSUTIS | Student, Intern Researcher | Novosibirsk  |
| Conducted various researches and projects, worked with a SLURM-based computing cluster to run parallel MPI programs, horizontally scaled a web server using Docker and Docker-compose, wrote network and console utilities in C++, organized team work using GitHub and GitLab, conducted code reviews, gave presentations on technologies and methods for implementing different data structures & algorithms. | | | |
| 2022 - 2024 (Summer) | Summer Camps | Photographer, Journalist, Summer Camp Counselor | Ridder  , Oskemen  |
| Organized photoshoots for a large number of people, led a team of people of different age groups, planned and implemented children's leisure and activities, ensured their safety, conducted team-building training and events, organized teamwork within given deadlines, resolved various conflicts in the team. | | | |

Awards and achievements

| Achievement | Name of Institution | Year |
|---|--|------|
| Participant of American Leadership Experience (ALEX) Program, USA | U.S. Department of State's Bureau of Educational and Cultural Affairs | 2022 |
| Finalist of Future Leaders Exchange (FLEX) Program, USA | U.S. Department of State's Bureau of Educational and Cultural Affairs | 2021 |
| Participant of Preisträger Austauschdienst (PAD) Program, Federal Republic of Germany | Kultusministerkonferenz (Education and Cultural Ministers Conference of German Federal States) | 2020 |

Projects

| Name | Period | Stack |
|-----------------------------------|--------------------------|---------------------|
| C++ String with Copy-On-Write | April 2024 | C++ |
| Ray Tracer | March 2024 | C++ |
| Cool-lang Compiler | March - May 2024 | C++, flex, bison |
| Machine Learning | February - April 2024 | Python, numpy |
| Internet Chat | February 2024 | C++, pthread lib |
| Parallel Inverse Matrix Algorithm | November - December 2023 | C++, MPI |
| Parallel "Quick Sort" Algorithm | May 2023 | C, OpenMP |
| Simple Computer Architecture | April - May 2023 | C, CTest |
| Parallel N-body Simulation | April 2023 | C, OpenMP |
| SEIR-D COVID-19 Model | April 2023 | C++ |
| Parallel Integration | March 2023 | C, OpenMP |
| Lagrange Polynomial | March 2023 | C++ |
| Various Data Structures | October - December 2022 | C |
| Password Generator | March - May 2022 | C, CTest, GitHub CI |