

# Yuriy Grigoryev

Junior C++ developer, third-year student at SibSUTIS in Novosibirsk  
(Siberian State University of Telecommunications and Information Sciences)

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GitHub: <https://github.com/allenvox>

## Skills

### Languages

Russian (native)  
English (Level C1, self-tests, IELTS tries)  
German (Niveau C1, [ZfA DSD II](#) certificate)

### Operating Systems

Linux macOS Windows

### Programming Languages

C C++ Python

### Soft Skills

Asking questions Adaptability

### Other

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

## Work experience

| Years | Name of Institution | Position | Place |
|-------|---------------------|----------|-------|
|-------|---------------------|----------|-------|

|             |          |         |   |
|-------------|----------|---------|---|
| 2021 - 2024 | SibSUTIS | Student | 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 various data structures & algorithms.

|             |                      |  |   |
|-------------|----------------------|--|---|
| 2022 - 2023 | Various Summer Camps | Photographer / Journalist /<br>Summer Camp Counselor | Ridder  /<br>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.

## Education

| Name and Place of Institution | Results                               | Years       |
|-------------------------------|---------------------------------------|-------------|
| SibSUTIS, Novosibirsk         | Bachelor's degree in Computer Science | 2021 - 2025 |

## 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            |
| R-Tree Data Structure             | May - June 2023          | C                   |
| 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 |

## Hobbies

|   |               |                 |
|---|---------------|-----------------|
| Photography ( <a href="#">Instagram</a> ) | Guitar        | Badminton       |
| LeetCode Tasks' Cracking                  | Coffee making | Music producing |