

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