

Kireyev Ilya

Junior C/C++ developer

C/C++ developer on Unix/Windows compatible cross-platform applications with a difficult memory management supporting GUI interface via Qt4-6 and 17-20 C++ standards.

WORK EXPERIENCE

Shlumberger | Junior C++ developer | 2023.06 – currently (~ 1 year)

Main project: Vx Spectra Service Manager – Desktop multiplatform application allows control fluid information in real-time. Based on multithreading backend logic and Qt-6.2 GUI interface.

- Reviewed over 10000 lines of code (and found many bugs in them).
- Done project-level architectural decisions in logic of multiplatform GUI interface.
- Increased the project build time by 2 times.
- Speeded up charts run-time rendering & Implemented decimation algorithm in them.
- Incredibly accelerated GUI interface performance, responsiveness and reliability.
- Fixed complex bugs in the logic and connectivity of project components.

SibSUTIS | Intern-researcher | 2023.01 – 2023.06 (5 months)

- Wrote an article of comparative analysis of memory allocation utilities in C++.
- Developed some computer vision minor-projects.

EDUCATION

SCHOOL 21 | 2022 – 2023

I have developed such projects as: the game "Pong", the game "Life", translation into reverse Polish notation in C/C++.

SibSUTIS | 2021 – Currently

I am a 3rd year A-student at SibSUTIS, in the field of parallel computing systems. Priority is to study C and C++ programming languages, parallel computing, etc.

HARD SKILLS

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|----------------------------------|--------------|---------|--------------|
| • C/C++(17/20) | • STL | • OOP | • Qt |
| • Algorithms and data structures | | • CI/CD | • Unix/Linux |
| • CMake | • LLVM tools | • Git | • OpenCV |

PROJECTS

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|---|---|
| • Full text search 2023-currently C++ | • Caches 2022 C++ |
| • Cool Compiler 2024-currently C++ | • Cameo 2023 C++ |
| • SimpleComputer 2023 C/C++ | • Other (minor) projects 2022-currently |
| • DSA 2022-currently C++ | https://github.com/cicada44 |

LANGUAGES

- Russian - native
- English – B2

SOFT SKILLS

- Pragmatist
- **Formulate**
- Planning

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