# Kirill Zavadsky

## Personal Info


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GitHub: github.com/Kiriller102


## Skills

| | |
|---|---|
| C++ | Main |
| Python | Intermediate |
| Swift | Novice |
| Git | Advanced |
| SQL | Intermediate |
| MacOS | Main |
| Linux | Intermediate |
| Bash | Intermediate |
| Windows | Intermediate |

## Languages

| | |
|---|---|
| Russian | Native speaker |
| English | Upper intermediate (B2) |
| Belarusian | Intermediate |

## Soft skills

Communication, Attention to detail, Teamwork, Creativity, Adaptability, Interpersonal skills, Calmness, Analysis, Logical reasoning, Observation, Brainstorming, Decision making, Responsibility, Discipline

## Hard skills:

Programming:
Design patterns, Unit tests, SOLID, KISS.

C++: QT [Intermediate], Boost [Novice], GoogleTests [Intermediate] OpenCV [Novice], SQLite [Novice], CMake [Intermediate], Open MPI [Novice].

Python: NumPy [Intermediate], PyQT [Intermediate], SQLite [Novice], PyGame [Novice], OpenCV [Novice].

## Projects:

- **Telegram bot for checking train availability and sending out ticket information (Python, SQLite, BeautifulSoup, PyTelebot):**
  Creating a Telegram bot that checks for free train availability and allows users to sign up for ticket availability. Using Python, SQLite database, BeautifulSoup library to collect information from web pages, and PyTelebot library to create a Telegram bot.
  (github.com/artyomshpakovski/bot_telegram)

- **Labs work on computer graphics programming:**
  - Color Converter (C++, QT):
    Creating a color converter to translate RGB, CMYK and HEX color models (github.com/Kiriller102/PCG/tree/main/Lab_1)
  - Creating an application for reading basic image information from graphic files (C++, QT, openCV):
    (github.com/Kiriller102/PCG/tree/main/Lab_2)
  - Creating an application illustrating the work of basic raster algorithms, including the step-by-step algorithm, the CDA algorithm, the Bresenham algorithm, the Bresenham algorithm for circles (Python, pyGame) (github.com/Kiriller102/PCG/tree/main/Lab_4)

- **Solving systems of linear algebraic equations using different methods (Python, numpy):**
  Gauss, square root, simple iterations, and Gauss-Seidel.
  (github.com/Kiriller102/SLEs_Solution)

## Olympiads:

I'm a dedicated problem-solver with a passion for software development. I've participated in Olympiads in mathematics(3rd degree diploma at the national mathematics Olympiad and 1st and 2nd degrees at the regional mathematics Olympiad), informatics and physics, which have sharpened my analytical and critical thinking skills.