

# Kirill Zavadsky

## Personal Info

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**Location:** Belarus, Minsk

## Skills

## Soft Skills

- |                               |  |
|-------------------------------|--|
| <input type="radio"/> C++     | <input type="radio"/> Communication        |
| <input type="radio"/> Python  | <input type="radio"/> Attention to detail  |
| <input type="radio"/> Swift   | <input type="radio"/> Teamwork             |
| <input type="radio"/> Git     | <input type="radio"/> Adaptability         |
| <input type="radio"/> SQL     | <input type="radio"/> Interpersonal skills |
| <input type="radio"/> MacOS   | <input type="radio"/> Logical reasoning    |
| <input type="radio"/> Linux   | <input type="radio"/> Observation          |
| <input type="radio"/> Bash    | <input type="radio"/> Decision making      |
| <input type="radio"/> Windows | <input type="radio"/> Discipline           |

## Education

**University:** Belarusian State University

**Faculty:** Faculty of Applied Mathematics and Computer Science

### EPAM courses:

Version Control with Git,  
Computer Science Basics

### LeetCode and Codeforces:

Problems solving

## Languages

- |                               |                         |
|-------------------------------|-------------------------|
| <input type="radio"/> Russian | Native speaker          |
| <input type="radio"/> English | Upper intermediate (B2) |

## Hard skills:

### Programming:

Design patterns, Unit tests, SOLID, KISS, D.R.Y, Docker.

### C++:

QT, Boost, GoogleTests, OpenCV, SQLite, CMake, Open MPI.

### Python:

NumPy, PyQt, SQLite, PyGame, OpenCV.

### Computer networks:

Cisco Packet Tracer

## Projects:

- **Telegram bot for checking train availability and sending out ticket information (Python, SQLite, BeautifulSoup, PyTelebot):**  
Developing a Telegram bot in Python with SQLite and BeautifulSoup to check train availability and enable users to sign up for tickets. Utilizing PyTelebot for bot creation.  
([github.com/artiomshpakovski/bot\\_telegram](https://github.com/artiomshpakovski/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](https://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](https://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](https://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](https://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.