



Viachaslau Pertseu

About Me

A motivated 2nd-year student of the Faculty of Applied Mathematics at BSU, eager to grow in the field of software development. Possess foundational knowledge in C++, Java, as well as experience with version control systems, build tools, and Qt graphics libraries. Ready to apply my skills in real projects, actively learn new technologies, and contribute to a team.

Contact

slava02007@gmail.com

+375-25-905-20-06

[https://github.com/Slava02007/
LabRabOS.git](https://github.com/Slava02007/LabRabOS.git)

Experience

- Multithreaded Task Manager (C++/Java):
 - 1.Developed an application for task management using a custom thread pool.
 - 2.Implemented inter-process communication (IPC) using Named Pipes and Shared Memory to synchronize data between independent processes.
- Graphical Data Visualizer (Qt):
 - 3.Created an interactive UI using QtWidgets and QGraphicsScene.
 - 4.Optimized rendering of complex shapes using QPainter and implemented custom coordinate transformations.
- C++ Utility Library:
 - 5.Implemented basic algorithms and data structures with unit testing (GTest), focusing on memory efficiency and performance.

Education

(2013 -2024)

SCHOOL

Certificate of General Secondary Education

(2024 -Present)

BELARUSIAN STATE UNIVERSITY (BSU)

Faculty of Applied Mathematics

Skills

- Programming Languages:
 - 1.C++: Standard Library (STL), Memory Management (smart pointers), OOP.
 - 2.Java: Core, OOP, Java Collections Framework, Generics.
- System & Parallel Programming:
 - 1.Multithreading (std::thread, pthreads, Java Threads/ExecutorService).
 - 2.IPC (Inter-Process Communication): Named Pipes (FIFO), Shared Memory, Semaphores, Message Queues .
 - 3.Synchronization primitives: Mutex, Condition Variables, Atomic operations.
- Frameworks : Visual Studio, IDEA, Qt
- Build & Test Tools: CMake , Google Test (GTest), JUnit (Java).
- Qt Graphics Libraries:
QtWidgets, QtGui, QPainter, QGraphicsView, QChart