Viachaslau Pertseu

«Junior backend developer»

«Professional Field Hockey Player»

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

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+375-25-905-20-06

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