

Mikołaj Grzywacz

(+48) 662 775 148

[EMAIL](#) - [GITHUB](#)

Skills and Projects

Algorithmic problems

C++, STL

Solutions to algorithmic puzzles for my computer science classes.

Tackled problems among others include **graph**, **text algorithms** and **dynamic programming**.

Turnstiles

C++11, concurrent programming

Implementation of Mutex class which serves as an **overlay for `std::mutex`** that allows to **lower program's memory footprint** with little overhead.

Elections

Basic PHP, SQL (postgres)

Basic application that simulates organizing and conducting elections using PSQL database (in Polish).

Modern C++

C++17

Series programs that embody elements of modern C++ such as **templates**, **smart pointers**, and **functional programming**.

Others

I also did other Projects including **C projects** focused on **low level memory management**. **Java** and **Python** school projects and C++ **scrolling shooter game** in **SFML**.

Education

Gdańsk Autonomous High School

2013-2015, 2016-2017, Gdańsk

Episcopal High School

2015-2016, Alexandria VA USA

I was there as a part of ASSIST scholarship that allows people from around the world to **study** for one year in one of **US top independent schools**.

Bachelor of Computer Science

2017-2020, Warsaw

[Blue](#) - hyperlinks

