



# Mikołaj Lubiak

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## ◦ Profiles ◦

 [mikołajlubiak](#)

 [lubiak](#)

## ◦ Skills ◦

C/C++

Assembly

Python

Embedded Linux (Yocto)

Chromium (TiVo OS)

Security/Cryptography

Git

Googling

## ◦ Awards ◦

Honoree at Gigaton

Giganci Programowania

Applied programming contest in  
Warsaw University of Technology,  
Faculty of Mathematics and  
Information Sciences.

17 years old at that time.  
Projects made in C++.

[Credsverse](#)

Article in Gynvael Coldwind's  
Zine

Article about my embedded project  
PixelPin.

[Article link](#)

## ◦ Languages ◦

Polish  
Native

English  
Fluent

German  
Beginner

Esperanto  
Beginner

## ◦ Volunteering ◦

FTXUI

[Pull request](#)

Intel® Cryptography Primitives  
Library

[Pull request](#)

## Experience

### Xperi

C++ Engineer (Security and Provisioning)  
Warsaw

11.2025 - Present

<https://xperi.com>

### NielsenIQ

Python Engineer (Web scraping)  
Warsaw

07.2025 - 11.2025

<https://nielseniq.com>

### Go2Ops

Backend engineer, sysadmin, devops

09.2023 - 10.2024

### Lesson4Future

Lead engineer, sysadmin, pentester

08.2023 - 02.2024

Project made for the National Polish Bank.

<https://www.lesson4future.com>

### Sealcode

Backend developer

07.2023 - 07.2025

### Freelance

2020 - 2025

## Projects

### Terminal Animation

Turn media (video/gif/image) into colored, animated or static,  
ASCII art.

[https://github.com/mikolajlubiak/terminal\\_animation](https://github.com/mikolajlubiak/terminal_animation)

### GOS

Simple 2 stage bootloader and a kernel.

<https://github.com/mikolajlubiak/gos>

### PixelPin

Embedded code that receives self made protocol commands or image  
data through BLE and displays it on e-paper display.

<https://github.com/mikolajlubiak/pixelpin>

### ESPCon

Game console engine for ESP32 and TFT displays.

<https://github.com/mikolajlubiak/espcon>

### vlkn

yet another Vulkan renderer

<https://github.com/mikolajlubiak/vlkn>

### Math Board

Platform that detects your handwriting using neural networks and  
computationally solves your equations.

<https://github.com/MathBoardProject/MathBoardAlgoML>