

Mikołaj Lubiak

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◦ Profiles ◦

⌚ [mikolajlubiak](#)

㏌ [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

• 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>