

Adam Mateusz Pecikiewicz

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PROFILE

My interest in Electronics Engineering comes from digging deep enough into my interest in sound. My passion for sound started as a DJ at 12 years old, but I always wanted to have more control, knowledge, and intuition over sound. This led me to production and discovering synthesizers. The history of them with analog components showed me that they are accessible (I didn't have thousands of dollars to buy hardware). So, I started creating my things. I am bad at business, but I always wanted to make and sell my own ideas, designs, products, and experiences. Now I am looking for an internship from February 2026, I am ready and motivated to work and deliver as much as I can.

EDUCATION

BEng in Electronics Engineering – ongoing University of Southern Denmark (SDU), Sønderborg

Sep 2023 – expected 02.2027

Electrical Engineering (1.5 years)

West Pomeranian University of Technology, Szczecin, Poland

2020 - 2022 program change, lack of practical applications of knowledge, smaller perspectives.

SELECTED PROJECTS

Listeria Detection Device (*5th Semester - ongoing*)

Developing a 10 MHz QCM biosensor for Listeria detection. Responsible for hardware design, analog signal conditioning, and sensor calibration in cooperation with an external company (AmiNIC).

FPGA Audio Synthesizer (*4th Semester*)

Designed a digital audio synthesizer on Zynq-7000 FPGA (20 Hz–20 kHz). Implemented DDS generation, I²S codec, ADSR envelope, and analog amplifier output.

“Phobiameter” - Stress Detection Device (*3rd Semester*)

Built a wearable PPG/temperature sensor system using Atmega MCU, Li-ion BMS, and OLED display. Focus on PCB design and firmware development.

WORK EXPERIENCE

Various part-time roles in hospitality and industrial cleaning (**Denmark, 2021 – 2023**) Zleep Hotel, Skærbæk Hvide Hotel, Elis Industrial Laundry, and private home contracts. TECHNICAL

SKILLS

Tools & CAD: Fusion 360, SolidWorks, KiCad, LTspice, MATLAB, Simulink

Measurement & Lab: Oscilloscope, Logic Analyzer, Function Generator, soldering, hardware prototyping, system testing

Microcontrollers: STM32, AVR, ESP32

Protocols: CAN, I²C, SPI, UART

Programming: C (MCU), VHDL, Python

Languages

Polish-Native

English-Fluent

Danish-Recently started learning

CREATIVE INTERESTS

Sound generation/processing, physics (macro and micro), 3D clothes design (fashion), live music event organization, swimming, biology (genetics), audiovisual art installations, walks in the forest, basic chemistry, VST design, leatherwork, woodworking (speaker building), sociology, old technology (roots), photo/video editing, my own software development (websites, apps), techno music label coordinating, YouTube channel development