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MATEUSZ GRZYB

DOUBLE DEGREE GRADUATE IN APPLIED ELECTRONICS

Lodz, Poland | +48 XXXXXXXXX | mateuszgrzyb96@gmail.com

LINKS

About me:
www.mateuszgrzyb.com

Master's Thesis:
https://issuu.com/matis96

LinkedIn:
www.linkedin.com/in/mateusz-grzyb-a4758319a

GitHub:
https://github.com/matis96

SKILLS

C/C++

Electronics

Python

ABOUT ME

As a graduate with a double degree in Applied Electronics from the University of Naples and the Lodz University of Technology, I have achieved commendable results that reflect my dedication to the field. My passion for continuous learning drives my interest in programming, mathematics, and electronics. I am particularly keen on advancing my expertise in cutting-edge areas such as FPGAs, low-level programming languages, and the burgeoning field of AI technology. My academic background has equipped me with a robust approach to tackling complex problems and an unwavering commitment to finding innovative solutions. Looking ahead, I am contemplating furthering my academic journey by pursuing doctoral studies.

WORK EXPERIENCE

UNINA
Nov 2022 - Feb 2023
Naples

INTERNSHIPS

• Developed a high-speed Fast FIR Algorithm tailored for System-On-Chip (SoC) integration.
• Utilized High-Level Synthesis (HLS) to generate efficient Verilog files for FPGA deployment.
• Engineered a DMA-enabled communication framework within SoC to facilitate FPGA-ARM CPU interactions.
• Documented comprehensive hardware specifications for the implemented SoC solutions.
• Conducted rigorous benchmarking to ensure optimal performance and reliability.
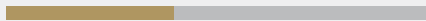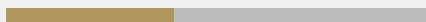
EDUCATION

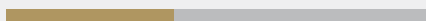Algorithms and Data Structures
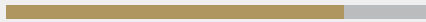
MATLAB
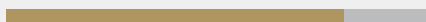
FPGA architecture and Verilog

Linux

Assembler
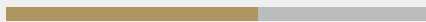
Microsoft Office

LTspice

Vivado/Vitis program

Autodesk Fusion 360

LANGUAGES
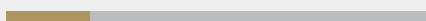
English

Polish

Russian

HOBBIES

- Hiking
- Local history (of Lodz and the surrounding area)
- Sailing
- Chess
- Computer games

University of Naples Federico II
2023

MASTER OF SCIENCE

- Applied Electronics, Double-Degree Diploma
- Master's thesis: 'Implementation of Fast FIR Algorithms based on Partial Results Reuse on Zynq-7000 System-on-Chip'.
- Grade: 110/110 e lode

Lodz University of Technology
2024

MASTER OF SCIENCE

- Double-degree programme
- Grade: bardzo dobry / very good

Lodz University of Technology
2019

BACHELOR OF SCIENCE

- Biomedical Engineering
- International Faculty of Engineering (IFE)
- Conducting language: English
- Thesis: "A Human-Computer Interface Controlled by
- Whistling"
- Grade: dobry / good

Univeristy of Twente
2018
Enschede, NL

Biomedical Engineering Master's Programme Erasmus+ Programme

GDPR