

# Dariusz Fertyk

## Curriculum vitae

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### Professional experience

- Nov 2015 – present **Technical Leader of Hardware and Firmware Department, Novamedia Innovision SP. z o.o.**  
Leading team of firmware developers. Developing firmware for STM32 and PIC32 microcontrollers focused on networking and graphical devices.
- July 2014 – Sept 2015 **Hardware and Firmware Engineer, Novamedia Innovision SP. z o.o.**  
Hardware and firmware design of wireless routers. Developing applications for AVR and STM32 microcontrollers.
- June 2013 – June 2014 **Junior Software Engineer, Samsung Electronics Poland.**  
Software development and debugging of set-top boxes.
- March – May 2013 **Intern, Samsung Electronics Poland.**  
Engineer Algorithm internship.
- Nov 2012 – Feb 2013 **Hardware and Firmware Engineer, Agregaty Polska SP. z o.o.**  
Hardware and firmware design of measurement systems based on AVR microcontrollers.
- June - Sept 2012 **Hardware and Firmware Engineer, Euroenergia SP. z o.o.**  
Hardware and firmware design of measurement systems based on AVR microcontrollers.

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### Education

- 2013 – 2015 **Master of Science Engineer, Poznan University of Technology, very good.**  
Faculty of Electronics and Telecommunications.
- 2008 – 2012 **Bachelor of Science Engineer, Poznan University of Technology, very good with distinction.**  
Faculty of Electronics and Telecommunications.

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## Languages

English **Fluent**  
French **Basic**

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## Skills and abilities

Programming languages Assembler (AVR, STM32, 8051, MSP430), C, C++, Verilog, Java, Python

Microcontroller architectures AVR, STM32, 8051, MSP430, PIC32

Frameworks, libraries LwIP, FreeRTOS, Mosquitto

PCB design tools Altium Designer, KiCAD

Operating systems Linux

Tools Vim, Subversion, Git, Make, CMake, Redmine, Android Studio

Other Understanding of software engineering issues  
Understanding of TCP/IP stack structure  
Knowledge of low level network protocols implementations: MQTT, HTTP  
Basic knowledge of linux kernel modules development  
Good knowledge of digital electronics  
Quick comprehension of new knowledge and skills  
Good communication and teamwork skills

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## Fields of interest

Dance: Bachata, Kizomba, Cuban Salsa  
Astronomy  
Robotics