DARIUSZ FERTYK
EMBEDDED SOFTWARE DEVELOPER

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Skills
- Programming languages: **C, Assembly**
- Microcontrollers: **AVR, STM32, PIC32, 8051**
- Good knowledge of: **Verilog**, **RTOS**, **Linux**, **multicore programming**
- Familiar with: **Git**, **SVN**, **Make**, **Bash**, **Python**, **Django**
- Excellent in SW/HW debugging

Foreign languages
- English - intermediate
- French - elementary

EDUCATION

Poznan University of Technology

- Master of Science Engineer, graduated in 2016.
  Master's thesis: Hardware and software for flying model of quadrocopter

- Bachelor of Science Engineer, graduated in 2013
  Bachelor's thesis: Functional testing of D/A converters with serial interfaces.

WORK EXPERIENCE

Nokia Solutions and Networks
September 2016 -present

Embedded Software Engineer
- Open Event Machine - event driven data processing framework development
- Porting benchmark suite from ARM to DSP architecture
- Unit tests and system component tests implementation
- Internal tools development (Bash, Python)
- Conducting speed recruitment in C profile

Novamedia Innovision
October 2015 - August 2016

Technical Leader of Hardware and Firmware Department
- LED displays for public transport firmware development
- FPGA based LED display driver concept and firmware development (Verilog)
- Active audio aplifier firmware development
- Developing new products based on STM32 and FreeRTOS
- Adapting existing products to new projects requirements
- Presenting new products during business meetings
- Conducting interviews
- Managing team of developers
- Formulating internship plans

Novamedia Innovision
July 2014 - September 2015

Hardware and Firmware Engineer
- Wireless routers hardware design and testing
- LED displays for public transport design
- Railway station display board firmware implementation
- Universal LCD driver design
- LCD display supervisor circuit

Samsung Electronics Poland
June 2013 - June 2014

Junior Software Engineer
- End user messaging system over DVB-S link
- Over the air update refactoring

Samsung Electronics Poland
March 2013 - May 2013

Internship

- Image processing library (C++, VisualStudio)
- Linux kernel modules implementation
- Web application development (JavaScript, Pepper API)
- Snake game implementation using set-top box

Agregaty Polska
July 2012 - February 2013

Firmware Engineer

- Modbus library implementation for AVR microcontrollers
- Segmental speed measurement using RFM22b radio modules
- Smart house hardware modules design