

Patryk M. Gawroński

EMBEDDED SOFTWARE ENGINEER

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Education

IT Technician school in Sieradz

IT TECHNICIAN

- A honorable mention in Olymics of Technical Innovations
- Participant in Math Olymics organized by Lodz University of Technology
- First award in Chemistry and Physics Competition

Sieradz, Poland

Sep. 2009 - June 2013

Wrocław University of Science and Technology

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Wrocław, Poland

Oct. 2013 - Oct. 2018

Experience

Akademia Humanistyczno-Ekonomiczna

INTERNSHIP - WEB TECHNOLOGIES DEPARTMENT

- Implemented database editor tool with responsive interface. Used technologies PHP, CSS, HTML4, JavaScript

Łódź, Poland

May 2012 - June 2012

IBM

INTERSHIP SOFTWARE SECURITY ANALYST

- Performed few Security Audits for web applications with use of IBM Appscan.

Wrocław, Poland

Oct. 2016 - Nov. 2016

NoMachine Sp. z o.o

SOFTWARE DEVELOPER

- Creating new authentication features for NoMachine Software
- Fixing bugs related to NoMachine authentication services
- Creating features for NoMachine Device Server
- Fixing issues related to NoMachine Device Server
- Troubleshooting customer problems related to authentication services and NoMachine Device Server
- Locating hard to find by normal tracing techniques issues related with drivers

Wrocław, Poland

May, 2017 - Sep. 2018

Tieto Poland SP z.o.o, BU Radio Unit

SOFTWARE ENGINEER

- Creating new features for LTE in uplink physical layer
- Creating simulation test for a product code
- Transferring product and test code to a new hardware platform
- Creating models for future development

Wrocław, Poland

Oct, 2018 - Current

Skills

Programming, Frameworks

C/C++ (Boost, STL, Google Test, Google Sanitizer Family), C# (NUnit, OpenCV), Python 3

Assembly, VHDL, Verilog, HTML5, CSS3, JavaScript (Angular), Bash

Software, Tools

Jetbrains CLion, Microsoft Visual Studio, vim, git, gerrit, valgrind, address sanitizer, Makefiles, CMake,

radare2, ghirda, gdb, Microsoft Debugger Collection, Xilinx ISE

Operating Systems

Linux, OSX, Microsoft Windows

Methodologies

Scrum, Agile

Quality

UML, Unit Tests, Test Driven Development

Languages

Polish (native), English

Certifications

IBM Application Security Analyst Mastery Award for Students

IBM

Wrocław, Poland

Nov. 2016

Private Projects

Network communicator with Diffie-Hellman key exchange

C++, PYTHON, LINUX, CPP TEST

Vim Ide - collection of custom vim scripts and plugin installer (used by NoMachine)

VIM SCRIPT, PYTHON

OpenRisc processor extension

VERILOG, LINUX

Compass implementation on VHDL with magnetometer Honeywell HMC5883L module.

VHDL

ELF File patcher - linux file analyzer with ability to change behaviour

C++, PYTHON, RADARE2

CCTV Monitor - CCTV like camera management system with ability to record and apply various image filters

C/C++, C#, OPENCV

GDB init script

GDB SCRIPTING, PYTHON

Interests

Computer Games, Sci-Fi and Horror Movies, Marvel comics, Team Games (Paintball, Lastertag), Astronomy and Physics, Ethical Hacking, Playing Guitar

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