

# CURRICULUM VITAE

## Adrian Samociuk, M.Sc.

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### Areas of expertise:

- Analog and digital schematics
- PCB designing (Altium Designer)
- Signal Integrity
- C/C++
- Eclipse-based IDE
- Real-time systems
- Matlab
- Version Control Systems (SVN, GIT)

### Personal summary:

Electronic engineer by profession and passion. Strong technical background from the best technical university in Poland. Experience from projects on Erasmus student exchange allows to work efficiently in the international team. "Can Do" attitude and eager to learn new skills. Knowledge and ability to fulfill requirements confirmed by successfully finished projects. For more details please visit my portfolio webpage.

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## Work experience:

### Sept. 2015 – present

Scanfil Poland Sp. z o.o.  
(formerly PartnerTech)  
Electronic Designer in Test  
Development department

#### Responsibilities:

- analyze the hardware requirements for a new tester projects
- create tester documentation from provided test sequence
- design schematics and PCBs for the test stand
- prototype chosen solutions and verify measurements
- develop customized solutions for specified requirements

### May 2012 – Dec. 2012

Impact Clean Power  
Technology S.A.  
Electronic Engineer  
Assistant in Embedded  
Software Department

#### Responsibilities:

- test and compare new Integrated Circuits for future use in the Battery Management System devices
- modify software of the Peltier TEC modules
- diagnosis and repair of the damaged prototype boards and laboratory equipment
- prepare software for the electric and hybrid car display (PLC)
- test and calibrate finished product with NI PXI verification system

**Mar. 2011 – May 2011**Responsibilities:

JM-Tronik Sp. z o.o.  
Trainee in R&D department

- design and construction of a test stands and equipment for the electrical energy meters
  - diagnosis and repair of damaged prototype boards
  - test and calibration
  - changes in schematics and implementation of a new features in cooperation with other engineers
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**Education:****Oct. 2013 – Mar. 2015****Master's degree studies**

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University: Warsaw University of Technology  
Faculty: Electronics and Information Technology  
Specialization: Micro-systems and Electronic Systems

MSc Thesis:

„Real-time measurement system with network interface utilizing asymmetric, 2-core processors of LPC4300 series” (device PCB and software) with Krzysztof Pożniak, Ph.D., DSc. and Grzegorz Kasprówicz, Ph.D. as supervisors.

**Jan. 2013 – Jun. 2013****International exchange Studies – LPP-ERASMUS**

University: Chalmers University of Technology  
Specialization: Embedded Electronic System Design  
Courses:

- Real-time systems (EDA222)
- Embedded control systems (SSY190)
- Remote sensing (RRY055)

**Oct. 2006 – Mar. 2012****Bachelor's degree studies**

University: Warsaw University of Technology  
Faculty: Electronics and Information Technology  
Specialization: Electronics and Computer Engineering

BSc Thesis:

„Intelligent BLDC servo motor controller with high-level commands” (device PCB and software) with Krzysztof Pożniak, Ph.D., DSc. and Grzegorz Kasprówicz, Ph.D. as supervisors.

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**Skills:**

- Knowledge of Altium Designer, LabView, MATLAB, VisiLogic software
- Knowledge of EMC and Signal Integrity issues

- Electrical license E1 to operate an equipment, systems and networks with a voltage of less than 1kV (by Polish Electricians Association)
  - Programming languages: C, C++, VHDL, Python, ladder
  - Experience with Texas Instruments, STM32, NXP microcontrollers (Cortex M4, M3 and M0) and their interfaces,
  - Market Solutions knowledge by Freescale and Microchip conferences
  - STMicroelectronics certificate of programming ARM Cortex-M3 microcontrollers
  - Knowledge of version control systems (e.g. SVN, GIT) and project tracking/management software (JIRA)
  - Proficiency in operating systems (Linux, Windows)
  - Experience with office and documentation programs (e.g. LaTeX, MS Office, OpenOffice)
  - Cat. B drivers license
  - Languages:

Polish	-	native
English	-	advanced
Russian	-	basic
Swedish	-	beginner (in progress)
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## Interests:

- Repairing electronic devices as a hobby (soldering, parts replacement)
  - Construction of remotely operated vehicles
  - Cooking for family and friends
  - Sports (gym, formerly judo, capoeira)
  - Fantasy literature
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## References

Polish and Swedish references available on request.