CURRICULUM VITAE

Adrian Samociuk, M.Sc.

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Areas of expertise:

- Analog and digital schematics
- PCB designing (Altium Designer and others)
- Signal Integrity
- C/C++ programming
- Real-time systems
- Matlab
- Version Control Systems (SVN, GIT)
- 3D Modeling (Inventor)
- 3D Printing (using and building FDM 3D printers)

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.

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 (MS VISIO)
- design schematics and PCBs for the test stand (KiCAD)
- prototype chosen solutions and verify measurements
- participate in design projects according to customers requirements (NI TestStand sequences)
- run simulation and validation of designed circuits (LTSpice)
- solve problems and provide solutions according to customers needs
- support other departments with electronic and mechatronic components knowledge
- design 3d printing hardware (STM32 board, mechanics) and software (Marlin porting and configuring)
- design 3d-printable fixtures for production (Inventor)

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 (C coding)
- diagnosis and repair of the damaged prototype boards and laboratory equipment
- prepare software for the electric and hybrid car display (PLC CoDeSys)
- test and calibrate finished product with NI PXI verification system

Mar. 2011 – May 2011

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

Responsibilities:
- 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** 5

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 Poźniak, Ph.D., DSc. and Grzegorz Kasprowicz, 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 Poźniak, Ph.D., DSc. and Grzegorz Kasprowicz, Ph.D. as supervisors.

Skills:

- Knowledge of PCB design software (Altium Designer), 3d design software (Inventor), LabView (TestStand), MATLAB software
- Knowledge of EMC and Signal Integrity issues
- Programming languages: C, C++, VHDL, Python
- Experience with Texas Instruments, STM32, NXP microcontrollers (Cortex M4, M3 and M0) and their interfaces,
- Proficiency in electronic laboratory equipment,
- Knowledge of version control systems (e.g. SVN, GIT) and project tracking/management software (JIRA)
- Proficiency in operating systems (Linux, Windows) and basic network configuration
- Experience with office and documentation programs (e.g. LaTeX, MS Office, OpenOffice)
- Cat. B drivers license
- Languages:

Polish	-	native
English	-	advanced
Russian	-	basic
Swedish	-	basic

Certificates:

Polish Electricians Association	Electrical license E1 to operate an equipment, systems and networks with a voltage of less than 1kV
CEDEGO	Occupational safety and health (OSH) for technical-engineer positions
DEKRA Polska	Machine safety. CE marking. LVD and EMC directives.
Cert Partner	CE marking of electrical equipment under the Low Voltage Directive LVD
Onyks	STMicroelectronics certificate of programming ARM Cortex-M3 microcontrollers

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

References

Polish and Swedish references available on request.

I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended.