

# Ing. Ján Valiska

## Curriculum vitae

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### Education

- 2011–present **University**, Faculty of electrotechnics and informatics, TUKE, 3rd degree.  
Telecommunication
- 2009–2011 **University**, Faculty of electrotechnics and informatics, TUKE, 2nd degree.  
Multimedia telecommunication
- 2005–2009 **University**, Faculty of electrotechnics and informatics, TUKE, 1st degree.  
Telecommunication
- 2001–2005 **High school**, SPŠE, Telecommunication technics, Michalovce.

### Doctoral thesis

- Title *Object tracking in video-sequences using Bayesian filters*
- Supervisor prof. Ing. Stanislav Marchevský, CSc.
- Description The work is focused on developing and testing of particle filters performance using various devices. Objects are represented using single color or color histograms.

### Work experiences

- 2012–2015 **T-Systems s.r.o.**, ICT Administrator, Košice.

### Projects experiences

- 2013–present **UWB-SeNet**, Short-Range UWB Sensor Networks for Detection, Localization and Tracking of Moving Persons, Software developing and testing of UWB radar system on 32-bit ARM architecture microprocessor boards, TUKE Košice.
- 2013–present **PerLoc-3D-UWB**, Persons Localization in 3D Under Emergency Event based on UWB Radar System, TUKE Košice.
- 2011–2012 **CE II**, Center of Information and Communication Technologies for Knowledge Systems, ITMS 26220120030, TUKE Košice.

### Teaching experiences

- 2013 **SPŠE**, Two months experience in Informatics course, Arduino programming in C/C++ language, Košice.
- 2012–2014 **T-Systems s.r.o.**, Internal Linux/Bash programming trainer, Košice.

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## Languages

English writing form–advanced, speaking–intermediate

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## Computer skills

Operating systems	GNU Linux, MS Windows, Dos, FreeBSD	Typography	L <sup>A</sup> T <sub>E</sub> X, MS Office, OpenOffice LibreOffice
Programming	Bash/Zsh, C/C++, Python, Qt, Matlab, Ruby	Web	PHP, HTML, Nette Framework, Rails, jQuery, MySQL
OS Linux	10 years of experiences in <i>Linux</i> operating systems.		
Web developing	Creation of modern web applications using technologies like <i>PHP Nette</i> and <i>Ruby on Rails</i> .		
Scripting	Operating system automation using Bash/Python scripts		

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## Skills in electronics

Embedded devices	Developing of simple systems using Arduino or other 8-bit AVR based or 32-bit ARM devices. Realised projects: Church 3-digit numeric display(IR controlled), Rotating coder controlled timer with 2x16 character LCD display, IR controlled HIFI DAC using Raspberry Pi ARM board.
PCB	Design and realisation of printed circuit boards using KiCAD software. Developing of PCB using negative photo-resist method
Simulations	Experience in electronic circuits simulation using ngspice

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## Competences and certificates

- Driving license, types: B1, B, AM
- Cisco Certified Network Associate(1-4.semester)
- T-Systems internal security certifications

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## Interests

Open-source software	I like open-source software because of possibility of changing and tweaking the source code.
Free time	Family, literature, meaningful movie and soft-rock songs.

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## Personal informations

Date of birth	14.10.1986 in Michalovce
Family state	married