

Curriculum vitae

PERSONAL INFORMATION

Ing. Lukáš Trizna

Alexyho 1906/41, 03101 Liptovský Mikuláš, Slovakia

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Sex Male | Date of birth 04/09/1991 | Nationality Slovak

WORK EXPERIENCE

1/2019–present

Application Developer

STMicroelectronics Design and Application s.r.o.

Pobřežní 620/3, Karlín, 186 00 Prague, Czech Republic

- Implementation of the peripheral drivers for the ARM core within the customized silicon which is used for wireless charging
- A concept validation of the silicon on the FPGA and on the silicon later in the process
- Implementation of the ADC model including input filters into Python environment to simulate the whole ADC chain behaviour

9/2017–1/2019

Embedded Software Engineer

Advanced Technologies - Honeywell, spol. s.r.o. - HTS CZ o.z

Tuřanka 100/1387, 627 00 Brno, Czech Republic

- Implementation of the peripheral drivers for Texas Instrument development board - Delfino
- Implementation of the motor control laws followed by testing on the real hardware in laboratory

8/2016–9/2017

Systems Engineer

BendixKing - Honeywell, spol. s.r.o. - HTS CZ o.z

Tuřanka 100/1387, 627 00 Brno, Czech Republic

- Development of avionics
- Implementation of control laws

01/2013–05/2014

Technical Support

Automation Control Solution - Honeywell, spol. s.r.o. - HTS CZ o.z

Tuřanka 100/1387, 627 00 Brno, Czech Republic

- Pre-Production testing (Jama Contour, JIRA)
- Testing web GUI

EDUCATION AND TRAINING

2014–2017

University, Master's Programme (Ing.)

EQF level 7

Faculty of Electrical Engineering and Communication, Brno University of Technology, Brno, Czech Republic

Cybernetics, Control and Measurements - Electrical, Electronic and Control Technology

Master's thesis: "Control of a servo-drive for a 3-axial rotary table"

09/2014–08/2015

Internship

Faculty of Electrical Engineering, Computer Science and Psychology, University of Ulm, Ulm, Germany

Institute for Measurement, Control and Microtechnology

2011–2014 **University, Bachelor's Programme (Bc.)** EQF level 6

Faculty of Electrical Engineering and Communication, Brno University of Technology, Brno, Czech Republic

Automation and Measurement - Electrical, Electronic and Control Technology

Bachelor's thesis: "Thermostat data acquisition and processing system"

2007–2011 **Secondary school** EQF level 4

Secondary school of Electrical Engineering, Liptovský Hrádok, Slovakia

Finished with final exam in Slovak and English languages, Theoretical and practical part of Electrical Engineering

PERSONAL SKILLS

Mother tongue(s) Slovak

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	B1	B1	A2	A2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills acquired by practising as a direct support to a customer in STMicroelectronics and during learning foreign languages

Organisational / managerial skills

- common sense with practical approach to problem solving
- ability to achieve tasks when working alone or as a part of team
- organized, efficient and hardworking individual

Job-related skills

- advanced knowledge of programming languages C/C++/C#, MATLAB
- advanced experience with programming of ARM processors using IAR IDE
- advanced experience with scripting using Python
- experience with bench testing using oscilloscope, logic analyser and other measurement tools
- experience with programming of FPGA acquired during work as Application Developer

Other skills

- sportsman: ice hockey, table tennis, bouldering and others
- willingness to travel
- culture and art

Driving license

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ADDITIONAL INFORMATION

Project

09/2016 - 05/2017

Master's thesis: "Control of a servo-drive for a 3-axial rotary table"

- complex design of control algorithm (the servo-drive identification, the design of control loops, the servo-drive control implementation)

01/2014 - 05/2014

Bachelor's thesis: "Thermostat data acquisition and processing system"

- Model design for monitoring and evaluating data from thermostat temperature sensors

Prague
8/17/2022

Lukáš Trizna