






PERSONAL INFORMATION

Darko Lukić

-  Lausanne, Switzerland
-  +381 63 785 94 33  lukicdarkoo@gmail.com
-  <https://lukic.io>
-  Skype lukicdarkoo

Gender Male | Date of birth 25 August 1994

Nationality Serbian



EDUCATION AND TRAINING

2018 – now **Master in Robotics**

- Swiss Federal Institute of Technology in Lausanne, Switzerland
- Major in Mobile Robotics

2013 – 2017 **Bachelor with Honours in Electrical and Computer Engineering**

- Faculty of Technical Sciences, University of Novi Sad, Serbia
- Computing and Control Engineering (1st concentration)
- Computer Engineering and Computer Communications (2nd concentration)

WORK EXPERIENCE

October 2017 – September 2018 **Technical Student Intern**

- CERN (Switzerland)
- Development, distribution and scaling of tools for notification exchange between services.
- Keywords: *DevOps, Configuration Management, Messaging, Load Balancing, EOS, CAS-TOR, HAProxy, Power cut supervision, Puppet, ActiveMQ*

July 2017 – August 2017 **Openlab Summer Student**

- SDG (China and Switzerland) and CERN (Switzerland)
- Cosmic ray (muon) detector, Embedded FPGA, Real-time Dashboard

August 2016 – September 2016 **Software Developer Intern**

- Execom (Serbia)
- Research and development, Payment System and Amazon Web Services.

PERSONAL SKILLS

Mother tongue Serbian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Interests and Hobbies Fishing, agriculture, swimming, billiard, foosball, cycling

Programming Languages and Technologies – **C/C++**, **Python**, **JavaScript/Node.js**, Puppet, VHDL, sh/bash, Assembly, Java, Matlab, C#, Pascal, PHP, MySQL, \LaTeX

– **Boost**, **OpenCV**, **Linux**, ARM, PIC, AVR, Servlets, Git, Elasticsearch, Kibana, Yii, Angular.js, Puppet, DirectFB, SDL

Memberships – **Memristor**, 2015 – present, Software engineer at the robotics club, competition Eurobot

– **RB2.io**, 2018, Robotics engineer at vision-based navigation startup

– **Levi9**, 2014, Web developer at company Levi9

– **Freelancer**, 2011 – 2013, Full Stack Web Developer

– **School Newspapers**, 2010 – 2013, Writer for Technology Section

– **Balkan, house of difference**, 2012, Development of cohesion at Balcan region, Volunteer

– **EESTEC**, 2014 – 2017, Electrical Engineering Students' European association

Honours Awards – **International student competition Hardware & Software**, 2016, (3. prize)

– **First Olympics of innovations for South-Eastern Europe**, 2013, (1. prize)

– **INOST**, International exhibition of innovation, 2013. (1. prize), 2016 (1. prize)

– **Tesla Fest**, 2013, International Festival of Knowledge and Inventiveness (1. prize)

– **Elektrijada**, 2014, International competition for electrical engineering students, Informatics

– **Republican Programming competition in Srpska**, 2012, (praise) Programming

– **High school students competition "Slobomir"**, **Informatics**, 2013, (3. prize)

Certifications Conferences – **Innosuisse Start-up Training**, 2018, 14 weeks federal program for startup founders

– **Fusion Workshop**, 2016, Student workshop in Nuclear Fusion

– **Modern Mechatronic Systems**, 2016, (Mitsubishi Robots & PLC)

– **Android Workshop**, 2014, International Android workshop

– **BalCCon 2k13**, Presenter at Computer Congress

Projects – **Acoustic Communication**, 2018, implementation of different modulation methods in order to achieve underwater communication, laboratory DISAL@EPFL

– **Software for Memristor's robot**, 2016 – present, software architecture, data acquisition, sensor fusion, visualisation, communication, team of 10+ people

– **ML based Task Scheduler**, 2017, Python, Genetic Algorithm, Bachelor thesis

– **SpesRobo, Robotic Platform**, 2015 – 2016, C/C++, JavaScript, Websocket

– **DTV**, 2016, C, middleware and application for digital television, MPEG, software architecture

– **Demetra21, Smart Greenhouse**, 2012 – 2013, Arduino, Web dashboard, team of 4 people

– **Robot Arm Library for Arduino**, 2014, C/C++, positioning robot arm in 3D space

– **Spectrum Analysis from Sensor**, 2015, C/C++, Kernel module, FFT, Parallel programming

– **Lightweight WebSocket Server**, 2015, C, Computer Networks, TCP, multithreading

– **Multipath Secured UDP Protocol**, 2016, C/C++, pcap, UDP, IP, packetization, multithreading

– **Dual-tone Multi-frequency Signaling**, 2015, C, FFT, FIR, DSP prototype board

– **RGB LED Matrix Display**, 2016, VHDL, C, FPGA, custom peripheral, AXI bus, soft micro-processor

– **Interactive Educational Game**, 2014, C/C++, SDL/OpenGL, Linux, OOP

– **Ultrasonic Distance Measuring Device**, 2013, PICBasic, Electronics & Software

– **SpesDriver, Online Learning Platform**, 2012 – present, Web & Android Application, MVC, ORM

References – <https://www.linkedin.com/in/lukicdarkoo/>

– <https://github.com/lukicdarkoo>

– <https://gitlab.com/lukicdarkoo>