

rokmihevc

applied physicist

about

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http://mihevc.org

languages

mother tongue Slovene
fluent English
intermediate German
fluent Serbo-Croatian

programming

Matlab, Java, Ruby,
Android, Git, Python,
Mathematica, Latex,
Web (HTML, CSS,
PHP, WP, ROR),
Linux, bash

interests

physical modeling and simulations, machine learning, data analytics, automation, robotics, problem solving

education

- 2014 **Diploma** (MSc equivalent), applied physics University of Ljubljana
Karst dolines of Dinaric karst (link)
Feature detection on large LiDAR data set, physical modeling of geomorphological phenomena
- 2010-2011 **Erasmus exchange** Technische Universität Berlin
Theoretical physics
Various grad and undergrad courses

experience

- 02–08 2009 **Institute of Mathematics, Physics and Mechanics, Ljubljana**
Software developer
Adopted an open source book reader for use on a portal project with National and University Library. (example: <http://www.dedi.si/virtualna-knjiga/17085>)
- 05–08 2005 **Institute of Electronics and Vacuum Technique, Ljubljana**
Research Internship
Measuring dynamics of electrical field of anorganic nanotubes with image processing.
- 2006-2010 **Board of European Students of Technology, EU**
Member / Organizer / Trainer
Main organizer summer course about automotive industry, Ljubljana 2006
Project management trainshop coordinator, Lyon 2007
Trainer at 1st National Indian Student Forum, NIT Hamirpur, India 2009
Trainer at Canary Islands: Citizens Towards a United Europe, 2010
- 2008-2012 **TEDxLjubljana**
co-founder / organizer
Bootstrapped TEDxLjubljana with three friends, project is still going strong after 16 events. (<http://tedxjubljana.si>)
- 2009-2011 **Toastmasters Ljubljana**
co-founder
Co-founded toastmasters club. (<http://www.toastmasters.si>)
- 2005-present **Public library Logatec**
Network admin / IT support
Volunteer help for public library of my hometown.
- 2012-present **Karst Research Institute ZRC SAZU**
Website creator / admin
International Karstological School "Classical karst" (<http://iks.zrc-sazu.si>)

courses and certificates

University	University of Ljubljana Physics 1 (270 hrs) Mathematics 1 (240 hrs) Experimental Techniques Lab 1 (120 hrs) Computational Lab 1 (30 hrs) Chemistry (120 hrs) Laboratory Routines 1 (45 hrs) Physics 2 (210 hrs) Mathematics 2 (210 hrs) Experimental Techniques Lab 2 (120 hrs) Mathematical Physics 1 (90 hrs) Introduction to Numerical Methods (60 hrs) Electronic AG (75 hrs) Electronic Lab (45 hrs) Laboratory Routines 2 (45 hrs) Thermodynamics (60 hrs) Seminar (60 hrs) Classical Mechanics (60 hrs) Measurement Techniques 1 (105) Electrodynamics (75 hrs) Optics (60 hrs) Quantum Mechanics 1 (75 hrs) Statistical Physics (60 hrs) Mechanics of Continuous Media (60 hrs) Experimental Techniques Lab 3 (180 hrs) Mathematical Physics 2 (60 hrs) Organizations and Management (45 hrs) Measurement Techniques 2 (45 hrs) Electro Optics (45 hrs) Nuclear and Particle Physics (90 hrs) Introduction to Research (180 hrs)	Ljubljana, Slovenia
University	Technische Universität Berlin Experimental Techniques / Project Work (6 ECTS) Dynamics of Networks (3 ECTS) Experimental Physics 5: Introduction to Solid State Physics (7 ECTS) Theoretical Solid State Physics 1 and 2 (10 ECTS) Nonlinear Dynamics in Physiology and Medicine (3 ECTS) Theoretical Physics 4: Thermodynamics and Statistics (10 ECTS)	Berlin, Germany
ETS	TOEFL iBT Reading 27, Listening 29, Speaking 27, Writing 29 Total 112 of 120 GRE Revised General Test Verbal: 158 (78th percentile), Quantitative: 162 (82th percentile) GRE Subject Test Physics: 780 (69th percentile)	
MOOCs	Coursera Quantum Mechanics and Quantum Computation (link) Machine Learning (link) Software Engineering for SaaS (link) Artificial intelligence class (link) Programming Mobile Applications for Android Handheld Systems (link)	Online