



LUKA STRIZIC

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WORK EXPERIENCE

EMPLOYER	University of Colorado, Boulder	Boulder, Colorado, USA
PERIOD	February 2017 – present	
JOB TITLE	Visiting Research Scholar	
	Colorado Center for Astroynamics Research, Department of Aerospace Engineering Sciences. Working under Prof. Dennis Akos in support of his GNSS radio-frequency interference detection and mitigation research. Focused on software layers between GNSS hardware and software-defined radios (USB hosts, Android app).	
EMPLOYER	Google	Zürich, Switzerland
PERIOD	June 2016 – September 2016	
JOB TITLE	Software Engineering Intern	
	Search Infrastructure. Designed and implemented a JIT compiler in C++, using LLVM as the backend, for an internal Lisp-like language used for structured queries.	
EMPLOYER	Sartura	Zagreb, Croatia
PERIOD	July 2015 – November 2015	
JOB TITLE	Software Engineering Intern	
	Leading developer of an extensible framework for CWMP/TR-069 client in C, targeting OpenWrt platform. Passed on the know-how to other team members after project kick-off.	
EMPLOYER	Degordian	Zagreb, Croatia
PERIOD	September 2013 – June 2015	
JOB TITLE	Software Engineer, part time	
	Worked on a realtime media monitoring service, Mediatoolkit  , in C++, Java and PHP. Sometimes performed simple sysadmin tasks on several CentOS servers.	

EDUCATION

DEGREE	Master of Space Science and Technology , Space Instrumentation, double degree	
UNIVERSITIES	Luleå University of Technology	Kiruna, Sweden
	University of Würzburg	Würzburg, Germany
PERIOD	October 2015 – September 2017 (expected)	
VISTA	Designed and implemented a GPS payload for a student-built sounding rocket, SERA 3, that was successfully launched on April 26 th 2017 from the Esrange Space Center in Kiruna, Sweden. Was tasked with embedded software engineering and PCB design/electronics.	
PARADOX	An airbed-tested, 1 DoF CanSat. Objective was to recognize another CanSat and then dock with it. Worked primarily on the ground station and communication parts of the embedded software.	
DEGREE	Master of Science in Computing, Bachelor of Science in Computing , Computer Engineering	
UNIVERSITY	University of Zagreb	Zagreb, Croatia
PERIOD	October 2015 – July 2018 (Master, expected), October 2011 – July 2015 (Bachelor)	
Bachelor Thesis	Optimization of Lossless Image Compression Method for GPGPU 	
Extracurricular	Student Representative at the Faculty Council Student Assistant: Computer Aided Design of Electronic Systems, Electronics 1, Communication Networks, Algorithms and Data Structures, Digital Logic, Programming and Software Engineering	

OTHER ACTIVITIES

CopenHacks Spring 2016 hackathon	1 st place out of 25 teams, .tech's prize for hosting on .tech domain
jacobsHack! Fall 2015 hackathon	2 nd place out of 24 teams, organizer's favourite hack
Elektrijada 2015 competition	1 st place in C++ out of 18 teams, 2 nd place in C out of 18 teams
Telegram BB10 native client contest	Runner-up

SKILLS

Programming Languages	♥ C, ♥ C++, Java
Under 10k LoC	Python, JavaScript, VHDL, PHP, Haskell, Matlab
Other Technologies	PCB/hardware design – hobby/university projects, student assistantship microcontroller programming – hobby/university projects, hackathons CUDA – used in bachelor thesis fullstack development – coursework, university projects
Spoken Languages	Croatian native, English C2, German B2, French A1