LUKA STRIZIC

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WORK EXPERIENCE

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	**University of Colorado**	Boulder, Colorado, USA
	Luleå University of Technology	Kiruna, Sweden
	University of Würzburg	Würzburg, Germany
PERIOD	**October 2015 — August 2017** (expected)	
VISTA	Designing and implementing a sensory payload (GPS, IMU) for a sounding rocket, SERA. 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 sometimes on the embedded software.	

DEGREE	**Master of Science in Computing**, Computer Engineering	
UNIVERSITY	**University of Zagreb**	Zagreb, Croatia
PERIOD	**October 2015 — July 2018** (expected)	

DEGREE	**Bachelor of Science in Computing**, Computer Engineering	
UNIVERSITY	**University of Zagreb**	Zagreb, Croatia
PERIOD	**October 2011 — July 2015**	
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	

ACTIVITIES

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

SKILLS

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