

# Petar Petrović

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**web page:** [www.petar.com](http://www.petar.com)  
**phone:** +381 64 123 456  
**email:** [ppetrovic@gmail.com](mailto:ppetrovic@gmail.com)  
**Skype:** petar\_93  
**address:** Majora Gavrilovića 64a, 11000 Belgrade, Serbia  
**date of birth:** November 23, 1993

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Recent BSEE graduate with experience as an electrical engineer intern for Hardware Design L.L.C. Analytical, technical, and communication skills for laboratory and customer-facing applications. Strong understanding of large-scale integrated systems and CMOS applications.

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**EDUCATION**     **M. S. in Electrical Engineering**     2016 – 2017 *expected*  
University of Belgrade – School of Electrical Engineering,  
Belgrade, Serbia, Department of Electronics

**Dipl. Ing. in Electrical Engineering**     2012 – 2016  
University of Belgrade – School of Electrical Engineering,  
Belgrade, Serbia, Department of Electronics, **GPA: 8.85/10**  
*thesis:* Power optimization of signal processing algorithms  
implementations on an FPGA

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**WORK EXPERIENCE**     **Hardware Design L.L.C.**     May – September 2016  
*position:* Intern  
Developing VHDL IP blocks for signal processing algorithms.  
Optimizing power, area and performance of the Cordic  
algorithm implementation.

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**OTHER PROJECTS**     **School projects**  
- VHDL implementation of the FFT Radix-2 algorithm  
- Full Custom design of a FIR filter in 180 nm CMOS  
- Integrated operational amplifier in 65nm CMOS  
- Digital Electric Circuit simulator in C++

**Individual project**  
- Digits recognition on an image using the Arduino platform

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**SKILLS**     **Operating Systems:** Windows, Linux  
**HDL languages:** VHDL, Verilog  
**Programming languages:** C/C++, Java, MATLAB, Assembly  
**Tools:** Cadence Virtuoso Tools, Altera Quartus II, Altera  
ModelSim, Visual Studio, Eclipse, Pspice, wxMaxima  
**Other computer skills:** LaTeX, Git, MS Office, MS Visio

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<b>HONORS AND AWARDS</b>	<b>Republic of Serbia, Ministry of Education and Technological Development</b>	
	- Student's Scholarship	2012 - 2016
	<b>Elektrijada 2015</b>	
	- second prize in the field of interest: <i>electronics 2</i>	may 2015

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<b>OTHER EDUCATION</b>	<b>Soft Skills Academy</b>	November 2015
	- participant	
	<b>Petnica Science Center, Serbia</b>	2009-2010
	- 5 courses in electronics	
	- student project: Control of the Robotic Hand	

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<b>ACTIVITIES</b>	<b>Red Cross Serbia</b>	2013 – present
	- volunteer	
	<b>Academic Cultural Artistic Society "ŠPANAC"</b>	2011 – present
	- playing accordion	
	<b>EESTEC LC Serbia</b>	2012 – 2016
	- active member	
	<b>Science Festival, Belgrade, Serbia</b>	2012 – 2015
	- participant	

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<b>OTHER</b>	<b>Driving licence</b>	
	- Republic of Serbia, categories B, C, E	
	<b>Languages</b>	
	- Serbian, native	
	- English, full professional proficiency	
	- French, limited working proficiency	