Aleksa Marušić

Software Engineering Student

41 Susedgradska Apt. 4
Belgrade, Serbia
📞 +381 63 365 692
✉ aleksamarusic@gmail.com

Education

Faculty of Electrical Engineering, University of Belgrade, Serbia

2015–Present	**Bachelor of Software Engineering**
GPA	9.75/10
Coursework includes	Programming 1 & 2, Mathematics 1 & 2, Algorithms and Data Structures 1 & 2, Fundamentals of Computer Engineering 1 & 2, Databases 1, Object-oriented programming 1

Faculty of Physics, University of Belgrade, Serbia

2015–Present	**Bachelor of Science in Applied Physics**
GPA	9.25/10

Matematička gimnazija

2011–2015	**Mathematical Grammar School**
	Specialized syllabus encompassing most of first-year university mathematics
GPA	4.42/5.00
2015	Final-year project: "Data Protection and Cryptography"
CE Courses:	Introduction to Databases (Microsoft Access, SQL), Programming and programming languages (Pascal, C#, Prolog), Advanced Techniques of Programming (Java)

Work Experience

October 2016 – Present	**Student Demonstrator**, *Faculty of Electrical Engineering*, Belgrade, Serbia. Lecturing and helping professors on subjects Practicum in programming 1 & 2
October 2016 – Present	**IT Coordinator**, *EESTEC LC Belgrade*, Serbia. In head of IT team of "Brand New Engineers" project of EESTEC LC Belgrade.
October 2016	**Technical support**, *Sinergija 16*, Belgrade, Serbia. Technical support on Sinergija conference organized by Microsoft Serbia
Dec. 2015	**Lecturer**, *Matematička gimnazija*, Belgrade, Serbia. Giving a lecture on the Advanced Cryptographic Algorithms (DES, AES, RSA. . .) course at the Mathematical Grammar School in Belgrade as part of the "MG Computer Science Week" seminar
May 2014	**Volunteer Work**, *National Scientific Manifestation: May – Month of Mathematics*, Belgrade, Serbia. Demonstrating various experiments involving Math and Physics
October 2014	**Volunteer Work**, *Scientific International Conference: LCWS14*, Belgrade, Serbia. Helping organize LCWS14 (the 16th International Workshop on Future Linear Colliders)

Projects & Publications

May, June 2016	**Team project: Program for encryption and decryption of the electronic mail (developed in C programming language)**, *Faculty of Electrical Engineering, University of Belgrade*, Serbia. Implementation of Blowfish algorithm and working on graphical part of the application

Dec. 2015 – Jan. 2016	**Team project: Developing a Data Compression Library in Python**, *Faculty of Electrical Engineering, University of Belgrade*, Serbia. Implementation of Arithmetic Code and Static Huffman Code
July, August 2015	**License Plate Detection**, *Petnica International Science Center*, Petnica, Serbia. Implementation of algorithms for License Plate Extraction, Character Segmentation and Character Recognition in MATLAB
November 2012	**"Women More Educated Not More Equal"**, *CDLS 2012*, New Delhi, India. Paper written in English, published in the "Women Empowerment – The Road Ahead" journal within the "Community Development & Leadership Summit 2012"

Additional Education

July 2016	Attending "Bytes of Banking" - advanced skills workshop organized by Halcom and EESTEC
April 2014 – August 2015	Attending numerous seminars of Applied Physics and Electronics at Petnica International Science Center
March 2015	Attending "MG Computer Science Week" seminar
Dec. 2014	Participating in Hour of Code at Microsoft Development Center Serbia
2008 – 2013	Attending Systempro - School of Computing
April 2012	Attending the seminar "IT Open Days 2012"

Technical Skills

Programming	C/C++, C#, Python, Pascal, Prolog, Assembler (Basics), Java (Basics)
Other	LaTeX, MATLAB, SQL (Basics), HTML, CSS, Javascript, LabView (Basics)

Honours & Awards

October 2016	**Among top 5 teams on 2nd Adriatic FinTech hackathon**, *Halcom*, Ljubljana, Slovenia. One of the best applications on hackathon organized by Halcom. There were several challenges involving e-banking.
May 2016	**First place on CodeBeyond hackathon**, *BEST Belgrade*, Serbia. First place on CodeBeyond hackathon organized by BEST Belgrade. The theme was e-banking. The task was to, using Open Bank Project API, make a banking application for customers.
2012 – 2015	**Serbian High School Competition Awards**, *Mathematical and Physical Societies of Serbia*, Belgrade, Serbia. Numerous awards on competitions in Mathematics, Physics and Programming

Extracurricular activities

August 2013	Chinese language course at Communication University of China (Beijing, China)
July 2013	Beijing International Summer Camp (Beijing, China)
	Playing Clarinet and Guitar
	Have been practicing Water-polo, Rowing, Table Tennis, Basketball and Swimming
	Driver's license (category B)
	Languages:

- English – B2-C1
- Serbian – Native
- German – basics
- Chinese – HSK Level 2