

CURRICULUM VITAE

Dino Solar Nikolić

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EDUCATION

School of Electrical Engineering, University of Belgrade (2009 – 2013 BSc; 2013 – present, graduation 2014 Msc.)

I am currently studying for my master degree at the Department of Telecommunications and Information Technology. During bachelor studies I achieved average grade of 8,62 (range is 6 to 10, where 6 is satisfactory and 10 is excellent mark) . My final project was Routing In Wireless Sensor Networks. It included theoretical survey of routing protocols and protocol simulation in MATLAB as well. I received excellent grade for the project.

Subjects studied (BSc):

- Basic Electrotechnics
- Computer Programming (Pascal, C)
- Telecommunications
- Microwave Technics
- Internet Architecture
- Networks in Telecommunications
- Public Mobile Systems
- Theory of Information and Coding
- Physics
- Electronics
- Signals and Systems
- Theory of Electric Circuits
- Signal Processing
- Optical Telecommunications
- Radio Communications and Radio Systems
- Positioning in Telecommunications

Faculty of Physics, University of Belgrade (2009 – present; graduation in 2014)

I am currently in my fourth year of bachelor studies at Faculty of Physics, Theoretical and Experimental Physics study group. My current average grade is 9.42 (range is 6 to 10, where 6 is satisfactory and 10 is excellent mark).

Subjects studied:

- Theoretical Mechanics
- Statistical Physics
- General Chemistry
- Mathematical Physics
- Field Theory
- Quantum optics
- Nuclear Physics
- Quantum Mechanics
- Mathematics
- Electrodynamics
- Physics of Atom
- Physics of Molecules
- Physics of Ionised Gases
- Particle Physics

In addition I also completed Physics Laboratory 1 through 4 (covering mechanics, thermodynamics, optics and electromagnetism) as separate subjects. Most of the non theoretical subjects include experimental part.

Mathematical Gymnasium in Belgrade (2005 – 2009)

This is special high school for gifted and talented students for mathematics, physics and computer science. Mathematical and computer science subjects studied: Mathematical Analysis and Algebra, Geometry, Linear Algebra, Statistics and Probability Theory, programming in Pascal, C# and Prolog and Database Programming in SQL.

I achieved perfect average grade (5,00) in all four years.

COMPETITIONS AND AWARDS

- Bronze medal at 2nd International Junior Science Olympiad held in Yogyakarta, Indonesia in 2005.
- Honorable mention at 39th International Physics Olympiad held in Hanoi, Vietnam in 2008.

Also I won many first, second and third prizes at national competitions in physics and mathematics in elementary and high school.

PRACTICAL EXPERIENCES

2012: Two-month summer internship (IAESTE student organisation) at the Department of Physics in Imperial College London. Project included computer simulations of fluorescent processes between organic molecules.

2005 – 2006: Attended Physics Seminar in Petnica Science Center. In Petnica I began working on a project which I would eventually use for my graduation paper for high school. The project was Monte Carlo simulation of positron transport through gases.

SKILLS AND INTERESTS

- Very good knowledge of English language. In December 2008 I took a **TOEFL** internet based exam. I got 106 point out of 120.

- I have been dancing Serbian folklore in Talija Art Co. for 15 years. I had an opportunity to travel all across Europe and other countries such as the USA, China, Mexico, Taiwan, Ecuador and Peru.

- Besides physics and electrical engineering I have a wide range of interests, especially aviation and aeronautics, astronomy, biology and geography. I believe I possess broad general knowledge.