

Daniel Siladi

Mathematics Student
FAMNIT, Univerza na Primorskem

Contact

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Education

- **Univerza na Primorskem** Koper, Slovenia
Mathematics BSc 2014 - present
- **Gimnazija Jovan Jovanović Zmaj** Novi Sad, Serbia
High school 2010 - 2014
 - Class specialized for mathematics, physics and computer science
 - GPA: 5.00/5.00
 - Final year project: “Some applications of group theory”
- **Osnovna škola pri gimnaziji Jovan Jovanović Zmaj** Novi Sad, Serbia
Elementary School 2008 - 2010
 - Spent last two years of elementary education in an experimental class specialized for mathematics, physics and computer science
 - GPA: 5.00/5.00
- **Osnovna škola Jovan Popović** Novi Sad, Serbia
Elementary School 2002 - 2008
 - Finished first six grades before moving to the experimental class
 - GPA: 5.00/5.00

Experience

- **Petnica Summer Institute of Machine Learning** Petnica, Serbia
Participant 2015
 - Machine learning summer school organized by Microsoft Development Center Serbia
 - Worked on developing a model for local business classification, using logistic regression on real-world data from the Bing search engine
- **Summer School of Science** Požega, Croatia
Project mentor 2015
 - Mentored a team of 3 high school students on a project where they developed a system for near real time indoor positioning using a few Bluetooth low energy beacons, and a smartphone.
- **Petnica Science Center** Petnica, Serbia
Junior Associate at the Physics Seminar 2015 - present
- **PKP project Absorption of foreign substances in the sea** Koper, Slovenia
Student project organized by the University of Primorska 2015
 - Worked as a part of a team, designing and manufacturing the housing and electronics for an underwater data-collection module
- **Petnica Science Center** Petnica, Serbia
High School science projects 2011 - 2014
 - Daniel Siladi, Ognjen Stanisavljević: “Simulation of pedestrian traffic in evacuation situations”. Mentored by Miroslav Bogdanović, and presented at the annual Petnica Autumn Conference in 2014.

- Daniel Siladi, Kristina Siladi: *“Embedding graphs in books”*. Mentored by Stefan Mihajlović, and presented at the annual Petnica Autumn Conference in 2013.
- Daniel Siladi: *“Simulating fluids in two dimensions”*. Presented at the annual Petnica Autumn Conference in 2012.
- Daniel Siladi: *“Genetic Algorithms and the Travelling-Salesman Problem”*. Presented at the annual Petnica Autumn Conference in 2011.
- All 4 papers have been or will be published in the respective conference proceedings (*Petničke Sveske*)

- **Višnjan Summer School of Science** Višnjan, Croatia
Science/engineering project 2014
 - Worked as a part of a team and built a fully functional remotely operated underwater vehicle
 - Programmed the data collection and motor controller modules
- **Modern Mathematics International Summer School for students** Bremen, Germany
Mathematics summer school for high school and university students 2013

Competitions and awards

- **Univerzitetni programerski maraton** Slovenia
National qualifications for the ACM regionals 2015 - present
 - University champion for 2015
 - Qualified for the 2015 ACM Central Europe Regional Contest (CERC)
- **Serbian national competitions** Serbia
Informatics, Mathematics, Physics 2010 - 2014
 - Regularly competed in mathematics, physics and informatics competitions, up to the national level
 - **Informatics (Computer Science):** Serbian Olympiad in Informatics (2014 – second prize, 2012, 2011 – third prize), National Competition (2014, 2011 – second prize, 2012 – honorable mention)
 - **Mathematics:** National Competition 2012 – honorable mention
 - **Physics:** National Competition 2012 – honorable mention
- **Diplomas at the end of High School** Novi Sad, Serbia
Awarded at the graduation ceremony 2014
 - Vuk Karadžić award for 5.00/5.00 GPA
 - Special Diplomas for successfully participating mathematics, physics and computer science competitions during high school
 - Jovan Jovanović Zmaj plaque, awarded to the best student in the generation
 - Dušan Kešelj plaque, awarded to the most distinguished student in the area of informatics in the generation
- **Energija Znanja scholarship** Serbia
One year monthly scholarship awarded by NIS 2013 - 2014
- **KöMaL’s informatics problem solving contest** Budapest, Hungary
Correspondence contest organized by KöMaL (Középiskolai Matematikai és Fizikai Lapok) 2011 - 2013
 - Placed on the 5th place at the end of both 2012 and 2013
 - Invited twice to the annual conference organized at Eötvös Loránd Tudományegyetem (ELTE) for the best competitors in mathematics, informatics and physics
- **Dositeja Award** Serbia
Awarded by the Ministry of Education for exceptional results at competitions 2011, 2012

Skills

- **Mathematics**, in particular discrete mathematics and **graph theory**, **numerical methods**
- Working knowledge of various **programming languages**: C/C++, Python, C#, Java, Pascal, Prolog, Assembler (x86 in particular), MATLAB, Mathematica
- Strong knowledge of **data structures and algorithms**, as well as some background in **theoretical computer science**
- **Other technologies**: L^AT_EX, Unix administration, Git, Microsoft Office
- **Piano** – played it during elementary and higher education, obtained basic music theory knowledge
- **Karate** – blue belt (5th kyu)

Languages

- **English**: Fluent (Cambridge CPE diploma, CEFR level C2)
- **Serbian, Hungarian**: Native
- **French**: Intermediate (CEFR level B1 certificate)
- **German, Russian, Slovenian**: Basic