

Nemanja Ršumović

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EDUCATION

- **Faculty of Mathematics, University of Belgrade** Belgrade, Serbia
Bachelor studies – Computer Science 2020 —
- **Gymnasium "Sveti Sava"** Požega, Serbia
Mathematics class (valedictorian) 2016 — 2020

EXPERIENCE

- **Data Science Conference, DSC 2024** Belgrade, Serbia
Attendee support Team Member Nov 2024
- **Data Science Conference, DSC 2023** Belgrade, Serbia
Program Team Member Nov 2023
- **Board of European Students of Technology, BEST** Belgrade, Serbia
IT Team Member Mar 2023 — Mar 2024
- **Student Union of Mathematicians, SUM** Belgrade, Serbia
HR Team Member Mar 2022 — Dec 2023

PROJECTS

- **Analysis of deviations in the occurrence of all 4 types of repetitive sequences in the pathogenic islands of the bacterium Escherichia coli:**
Technologies: Python, Jupyter Notebook, SQL, StatRepeats
(Bioinformatics, Data Science)
Analysis of pathogenic islands in the genomes of the bacterium E.Coli (Research Paper).
- **Sorting Pairwise Sums:**
Technologies: Isabelle-HOL, Haskell
(Data Structures, Interactive Proving, Optimization)
Sorting all possible sums of two sets to optimize comparisons.
- **Mathematical model of the motion of the pendulum colliding with obstacle:**
Technologies: Matlab
Derivation of a mathematical model and its solution (Research Paper). Creating an animation of this model.
- **azrs-tracking:**
Improving the quality of the pobedi-me-ako-znas software/project using various tools. When a problem is discovered, changes are made to the source code of the project (applied tools).
- **pobedi-me-ako-znas:**
Technologies: C++, QtCreator
A quiz that includes different types of games that test the knowledge and skills of two players.
- **Audio-Recorder:**
Technologies: Rust, Cargo, SQLite
Application for recording, saving and playback of saved sounds; it is designed to run in the terminal.
- **computer-graphics-project:**
Technologies: C++, OpenGL
(Computer Graphics, Image Processing)
- **nemanja-rsumovic.github.io:**
Technologies: HTML, CSS, JavaScript
Personal Website.

SKILLS

- **Technologies:** Git, OpenGL, Isabelle-HOL, TeX, Numpy, Pandas, Matplotlib, Scikit-learn, SPSS Modeler
- **System & Environments:** Linux, Jupyter Notebook, QtCreator, IntelliJ IDEA, Visual Studio Code
- **Programming Languages:** Python, C, C++, SQL, Haskell, Matlab
- **Markup Languages:** LaTeX, HTML, CSS, Markdown
- **Natural Languages:** Serbian (Native proficiency), English (Advanced proficiency), French (Elementary proficiency)
- **Soft skills:** Teamwork, Time Management, Organization, Problem-solving, Leadership, Adaptability

SCIENTIFIC INTERESTS

Bioinformatics; Data Science; Algorithms.

OTHER INTERESTS AND HOBBIES

Writing poems; Origami; Assembling 3D puzzles or models; Rollerblading.