Nemanja Ršumović

Email: rsumovicnemanja01@gmail.com

Mobile: +381655159984

LinkedIn: rs.linkedin.com/in/nemanja-rsumovic

Website: nemanja-rsumovic.github.io/ GitHub: github.com/nemanja-rsumovic GitLab: gitlab.com/nemanja-rsumovic

EDUCATION

Faculty of Mathematics, University of Belgrade

Bachelor studies - Computer Science

Gymnasium "Sveti Sava"

Mathematics class (valedictorian)

EXPERIENCE

Data Science Conference, DSC 2024

Attendee support Team Member

Data Science Conference, DSC 2023

Program Team Member

Board of European Students of Technology, BEST

IT Team Member

Student Union of Mathematicians, SUM

HR Team Member

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, Jupyther 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.

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

• 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.

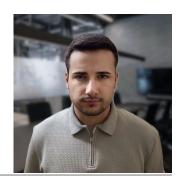
- Markup Languages: LATEX, HTML, CSS, Markdown
- Natural Languages: Serbian (Native proficiency), English (Advanced proficiency), French (Elementary proficiency)
- Soft skills: Teamwork, Time Managment, Organization, Problem-solving, Leadership, Adaptability

Scientific Interests

Bioinformatics; Data Science; Algorithms.

Other Interests and Hobbies

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



Belgrade, Serbia 2020 — Požega, Serbia 2016 — 2020

Belgrade, Serbia

Belgrade, Serbia

Belgrade, Serbia

Belgrade, Serbia

Mar 2023 — Mar 2024

Mar 2022 — Dec 2023

Nov 2024

Nov 2023