Petar Tešić

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Work experience

Software Engineer at SYRMIA　　　　　　　　　　*Nov 2023 - Present*
System Software Team - full time　　　　　　　　　*Belgrade, Serbia*

Software Engineer at SYRMIA　　　　　　　　　　*Apr 2023 - Oct 2023*
System Software Team - part time　　　　　　　　　*Belgrade, Serbia*

Software Engineer Intern at FIS　　　　　　　　　*Nov 2022 - Jan 2023*
C# team - full time　　　　　　　　　　　　　　　*Belgrade, Serbia*

Teaching Associate at the Faculty of Mathematics　　*Oct 2022 - Present*
Department of Computer Science - part time　　　　　*Belgrade, Serbia*
Courses: Programming 2 (1st grade), Translation of Programming Languages (3rd grade), Introduction to Relational Databases, Computer Networks, Database programming (4th grade)

Education

Faculty of Mathematics　　　　　　　　　　**University of Belgrade, Serbia**
Master's degree in Informatics (GPA 9.67/10.0)　　　　*Oct 2022 - Oct 2024*
Thesis title: Semantic detection of a CRC algorithm for RISC-V architecture in LLVM
Some of my majors: Scientific Computing, Cryptography, Software Verification, Machine Learning

Faculty of Mathematics　　　　　　　　　　**University of Belgrade, Serbia**
Bachelor's degree in Computer Science (GPA 9.25/10.0)　　*Oct 2018 - Sep 2022*

Grammar School "Branislav Petronijević"　　　　　**Ub, Serbia**
High school's diploma (GPA 5.0/5.0)　　　　　　　*Sep 2014 - Jun 2018*
Graduation thesis in Mathematics title: Series summation
Officially recognized as the best student

Elementary School "Milan Munjas"　　　　　　　**Ub, Serbia**
Elementary school's diploma (GPA 5.0/5.0)　　　　　*Sep 2006 - Jun 2014*
Officially recognized as the best student

Projects

Randomized Greedy Algorithms　　　　　　　　　*Apr 2023 - Sept 2023*
https://github.com/PosteruOle/randomized_greedy_algorithm
Implemented various graph clustering algorithms mentioned in some research paper for the purpose of Scientific Computing course.

Deep Learning Facial Expression Recognition　　　　*June 2023 - Sept 2023*
https://github.com/PosteruOle/facial_expression_recognition
Used CNN and other Machine Learning models and techniques in order to predict facial expressions from a dataset of human faces.

Verification of a Compound Unit project　　　　　*June 2023 - Aug 2023*
https://github.com/MATF-Software-Verification/2023_Analysis_CompoundUnits
Applying tools for static and dynamic software verification on an existing project and creating report that discusses obtained results and points out on some bugs and bottlenecks in software.

Various interpreters

For the purpose of Translation of Programming Languages course I have created various interpreters that are able to process and execute commands that work with sets, graphs, matrices, stacks and queues. Some of the interpreters create Abstract Sintax Tree and traverse through AST in order to execute program commands.

1 Skills & Interests

- **Programming languages** : Python, Java, C/C++, Go, Haskell, SQL
- **Frameworks** : Tensorflow, QtCreator, .NET
- **Editors and IDEs** : Jupyter Notebook, IntelliJ IDEA, Visual Studio
- **Operating systems** : Windows, Linux
- **Interests** : Operating Systems, Computer Networks, Machine learning, Computer vision

2 Miscellaneous

- Scholarship for Higly Gifted Students issued by the Ministry of Education (2016-2023)
- Student Scholarship issued by the Municipality of Ub
- Member of Mensa Serbia (2016-2023)
- Participated in the Serbian National Mathematics Competition
- Volunteer at Serbia Open Tennis Tournament 2021

Language proficiencies

English	Professional working proficiency
Serbian	Native or bilingual proficiency