

ALEKSA TEŠIĆ



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Serbia



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INTERESTS

ARTIFICIAL INTELLIGENCE

Genetic Algorithms
Fuzzy Systems
Reinforcement Learning
Neural Networks
Computer Vision
AI in Games

SOFTWARE ENGINEERING

RESTful APIs
Microservices
Web Scrapers

SKILLS

PROGRAMMING

Python
Typescript
Javascript
SQL
MongoDB

SPOKEN LANGUAGES

Serbian (*Native speaker*)
English (*Excellent*)
German (*Basic*)

EDUCATION

University of Belgrade, Faculty of Mathematics

Department of Computer Science - Informatics Bsc, GPA:
8.56/10

2017 -
present

WORK EXPERIENCE

Penta Fintech

Junior Backend
Engineer

March 2019 -
present

Upwork / Freelancing

Individual development work, from planning to
QA.

December 2017 - March
2019

Junior Associate in Petnica

Junior Associate on Computer Science and STEM departments in IS
Petnica.

2017 -
present

PUBLICATIONS

"Prediction of sequential movements in 2D spaces": Tešić, A; ISP Conference 2017 proceedings

"Estimation of Cloud Coverage from Night-Time Images": Tešić, A; ISP Conference 2016 proceedings

SOME PROJECTS

Vehicle autopilot using fuzzy controllers and metaheuristics(Python, Genetic Algorithms, Fuzzy Systems)

2020

Optimizing fuzzy controllers via genetic algorithm (Faculty project).

Optimization of the fuzzy parameters of a fuzzy system. Fuzzy system was controlling the vehicle.

GitHub Network (Python, Web Scraping)

2020

Mapping my github network.

Scraping my github network with DFS and then saving data to be displayed in Gephi. Made for fun.

Orbital Paradox (Python, Physics Simulation)

2019

Simulation of the satellite orbiting the Earth.

Made for introduction to mechanics class on faculty, further development is for fun.

Music Fractals (Python, DSP)

2018

Program which distorts Sierpinski triangles based on the amplitude of the given signal.

Made for geometry project on faculty, further development is for fun.

Notify Me (Python, Web Scraping)

2018 -
present

Scraper for my course pages on faculty website.

It periodically scrapes the data and notifies me by email if and where something new was posted.

Prediction of sequential movements in 2D spaces(C++, Statistics, HMM)

2017

Program which predicts movements of an object inside of a labyrinth using Hidden Markov Models.

Presented on IS Petnica 2017 "Korak u nauku" Conference.

Estimation of Cloud Coverage from Night-Time Images(C++, Statistics)

2016

Program which tries to estimate cloud coverage based on the set of night-time images.

Presented on IS Petnica 2016 "Korak u nauku" Conference.