ALEKSA TEŠIĆ

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SKILLS

HIGH LEVEL	SYSTEMS & LOW LEVEL	ARTIFICIAL INTELLIGENCE
Python Java SQL Javascript	C C++ x86, Z80 Computer Architecture	Computer Vision, OpenCV

COLLABORATION	WEB DEVELOPMENT	SPOKEN LANGUAGES
Git Jira LaTeX	HTML, CSS Node + Express	Serbian *(Native speaker)* English *(Excellent)* German *(Basic)*

EDUCATION

University of Belgrade, Faculty of Mathematics
Department of Computer Science - Informatics Bsc, GPA:
8.7/10

2017 – present

WORK EXPERIENCE

Penta Fintech
Junior Backend
Engineer

March 2019 – present

Upwork / Freelancing
Individual development work, from planning to
QA.

December 2017 – present

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
"Cloudiness estimation for video meteor observations": Nikolić, V; Schröder, L; Tešić, A; IMC 2017 proceedings
"Estimation of Cloud Coverage from Night-Time Images": Tešić, A; ISP Conference 2016 proceedings

LATEST PROJECTS

Orbital Paradox (Python, Physics Simulation)
Simulation of the satelite orbiting the Earth.
Made for introduction to mechanics class on faculty, further development is for
fun.

2019

Music Fractals (Python, DSP)
Program which distorts Sieprinski triangles based on the amplitude of the given
signal.
Made for geometry project on faculty, further development is for fun.

2018

Notify Me (Python, HTML, Web Scraping)
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. Hobby
project.

2018

Petnica Management Software (Collaborators: Bebić N) (ERP, Python, Javascript)
ERP software made for Computer Science Department in Petnica and for personal
use.

2018

Bob CPU (Collaborators:Adžemović M; Majstorović V)(Logisim, C, Computer
Architecture)
Simulation of an 8bit processor with custom assembly language. Hobby project.

2018

LMG - GUI (Python, Meteor astronomy)
App which computes LMG for visual meteor observations. Made for Petnica Meteor
Group.

2017

GUI for All Sky Cloudiness Estimator (Python, Tensorflow, OpenCV)
A software package that estimates cloudiness in All Sky images.
Presented at International Meteor Conference 2017.
Awarded 3rd place on IEEESTEC - 10th International Students Projects
Conference.

2017

Prediction of sequential movements in 2D spaces (C++, Statistics)
Program which predicts movements of an object inside of a labyrinth using Hidden Markov
Models.
Presented on IS Petnica 2017 "Korak u nauku" Conference.

2017