ALEKSA TEŠIĆ

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SKILLS

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

COLLABORATION	WEB DEVELOPMENT	SPOKEN LANGUAGES
Git	HTML, CSS	Serbian *(Native speaker)*
LaTeX	Django	English *(Excellent)*
	ERPNext	German *(Basic)*

EDUCATION

University of Belgrade, Faculty of Mathematics 2017 – present
Department of Computer Science - Informatics Bsc, GPA: 8.7/10

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

WORK EXPERIENCE

Upwork / Freelancing December 2017 – present
Individual development work, from planning to QA.

Junior Associate in Petnica 2017 - present
Junior Associate on Computer Science and STEM departments in IS Petnica.

PROJECTS

Music Fractals (Python, OpenCV, DSP) 2018 – present
Program which distorts Sieprinski triangles based on the amplitude of the given signal.
Made for geometry project on faculty, further development is for fun.

Notify Me (Python, HTML, 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. Hobby project.

Petnica Management Software (Collaborators: Bebić N) (ERP, Python, Javascript) 2018 – present
ERP software made for Computer Science Department in Petnica and for personal use.

Bob CPU (Collaborators:Adžemović M; Majstorović V) (Logisim, C, Computer Architecture) 2018
Simulation of an 8bit processor with custom assembly language. Hobby project.

LMG - GUI (Python, Meteor astronomy) 2017
App which computes LMG for visual meteor observations. Made for Petnica Meteor
Group.

GUI for All Sky Cloudiness Estimator (Python, Tensorflow, OpenCV) 2017
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.

Linear Regression Library (C++, Statistics) 2017
Simple library for linear regression. Hobby Project.

Prediction of sequential movements in 2D spaces (C++, Statistics) 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++, OpenCV, Statistics) 2016
Program for determining cloud coverage based of pixel distributions.
Presented on IS Petnica 2016 "Korak u nauku" Conference.

OTHER

Petnica Meteor Group 2017
Member of meteor astronomy group in Petnica.

IS Petnica 2015 - 2017
Attended lectures on Computer Science department.