

# ALEKSA TEŠIĆ

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## SKILLS

HIGH LEVEL	SYSTEMS & LOW LEVEL	ARTIFICIAL INTELLIGENCE
Python C++	C x86, Z80 Computer Architecture	Computer Vision, OpenCV
COLLABORATION	WEB DEVELOPMENT	SPOKEN LANGUAGES
Git LaTeX	HTML, CSS Javascript Bootstrap Django	Serbian ( <i>Native speaker</i> ) English ( <i>Good</i> ) German ( <i>Basic</i> )

## EDUCATION

<b>University of Belgrade, Faculty of Mathematics</b> Department of Computer Science - Informatics Bsc, GPA: 8.75/10	2017 – present
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## 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

## PROJECTS

<b>Bob CPU (Collaborators: Adžemović M; Majstorović V)</b> (Logisim, C, Computer Architecture) Simulation of an 8bit processor with custom assembly language. Hobby project.	2018 – present
<b>LMG - GUI</b> (Python, Meteor astronomy) App which computes LMG for visual meteor observations. Made for Petnica Meteor Group.	2017
<b>GUI for All Sky Cloudiness Estimator</b> (Python, Tensorflow, OpenCV) A software package that estimates cloudiness in All Sky images. Presented at International Meteor Conference 2017. Awarded 3rd place on IEEEESTEC - 10th International Students Projects Conference.	2017
<b>Linear Regression Library</b> (C++, Statistics) Simple library for linear regresion. Hobby Project.	2017
<b>Prediction of sequential movements in 2D spaces</b> (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
<b>Site for Non-Profit Organization (Collaborators: Adžemović M)</b> (HTML5, CSS3, Javascript, PHP) Fully responsive site for Non-Profit Organization that fights against cancer.	2017
<b>Estimation of Cloud Coverage from Night-Time Images</b> (C++, OpenCV, Statistics) Program for determining cloud coverage based of pixel distributions. Presented on IS Petnica 2016 "Korak u nauku" Conference.	2016
<b>Site for "Polyglot Language School" in Kraljevo (Collaborators: Adžemović M.)</b> (HTML5, CSS3, Javascript) Responsive site developed using heavily modified open-source templates.	2016

## OTHER

<b>Junior Associate in Petnica</b> Junior Associate on Computer Science and STEM departments in IS Petnica.	2017 - present
<b>Petnica Meteor Group</b> Member of meteor astronomy group in Petnica.	2017
<b>IS Petnica</b> Attended lectures on Computer Science department.	2015 - 2017
<b>International Meteor Conference 2017</b> Member of the local organizing committee.	2017