

# ALEKSA TEŠIĆ

📍 Belgrade, Serbia ✉ aleksatesicsteske@gmail.com 📞 (+381) 60 424 37 69 🌐 github.com/imafikus

## SKILLS

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

## 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 Sierpinski 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 is 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 IEEEESTEC - 10th International Students Projects Conference.

**Linear Regression Library** (C++, Statistics) 2017  
Simple library for linear regresion. 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.