
MILOS MILUNOVIC

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Computer science student

Summary

Explorer, creative and communicative person. I'm interested in theoretical computer science, machine learning and artificial intelligence in general.

Education

2016 - present	Bachelor in Computer Science <i>Union University, Faculty of Computing, Belgrade</i>
2016 - present	Bachelor in General Physic <i>University of Belgrade, Faculty of Physics</i>
2013 - 2015	Computer science <i>Petnica Science Center</i>
2012 - 2014	Applied physics and electronics <i>Petnica Science Center</i>
2012 - 2016	Computer technician <i>ESTS "Nikola Tesla" Kraljevo</i>

Tehnickal Skills

Algorithms and Data Structure	<div><div></div></div> <ul style="list-style-type: none">• Expert, online courses, national competitions and faculty education.
Object Oriented Programming	<div><div></div></div> <ul style="list-style-type: none">• Advanced, faculty and high school education, individual and college projects.
C/C++	<div><div></div></div> <ul style="list-style-type: none">• Expert level, Serbian National Competition and some online competitions (CodeForces, HackerRank)
Java	<div><div></div></div> <ul style="list-style-type: none">• Advanced, college projects, online and international competitions.
Python	<div><div></div></div> <ul style="list-style-type: none">• Individual projects, online courses
HTML 5 CSS jquery	<div><div></div></div> <ul style="list-style-type: none">• Intermediate level, individual projects
Javascript	<div><div></div></div> <ul style="list-style-type: none">• Intermediate level, individual projects

Work experience

2017 - present	Teaching assistant <i>Union University, Faculty of Computing, Belgrade</i> I teach introduction to programming and object oriented programming to students of Undergraduate applied studies in Information Technology
2017 - 2017	Teaching Assistant Intern <i>Zamphyr</i> I was developing course syllabus in computer science for people with zero technical background.

Online Courses and Competitions

31.03.2018 - 01.04.2018	FON Hackaton 2018 (Telecom Big Data) <i>Faculty of Organizational Sciences & FONIS</i> I was part of four man team (RAFx) that made multipurpose tool for telecommunication company. It was distributed cloud based systems for analysis and visualization of telecom data with interactive graphics. We also developed a tool based on unsupervised learning for package recommendation. The main part of our application was self sustainable real time anomaly detection system based on unsupervised machine learning methods.
12.05.2018 - 13.05.2018	MatHackathon 2018 (participation) <i>University of Belgrade Faculty of Mathematics</i>
11.01.2018 - 01.02.2018	Deep Learning Specialization <i>Coursera</i> Deep Learning Specialization by Andrew Ng consisting of five individual courses.
2015 - Present	National competition in Programming, Belgrade - Participation <i>Society of Mathematicians of Serbia</i>
2014 - Present	National competition in Programming, Belgrade - Participation <i>Society of Mathematicians of Serbia</i>

Projects

- Image Recognition Convolutional Neural Network (2018)
After finishing Deep Learning Specialization course I modelled architecture of the network and trained it using python and Keras framework. I was able to recognize more then 100 types of images with very high precision.
- Generic Document Editor (2017)
GeRuDok was a college project from Software Design course. The main goal was to make application that can organize and edit various documents. Projects in GeRuDok are organized in workspace and can be seen in a tree view, each project consists of multiple documents with pages that can be modified with graphical or textual editor. Projects can also be saved, loaded and shared between workspaces and each other.
- Flappy Bird AI (2017)
Project was a part of Intelligent Systems course. Main goal was to create AI that will use genetic algorithms and simple neural network to teach itself to play flappy bird game.
- Universal Installer (2017)
Universal Installer was a college project from Software Design course. Main goal was to make editor that will allow users to create environment for installation for their application.
- Hotel Management Application (2015)
Hotel Management Application written in C# using SQL data base. It was a high school project
- (In progress) Machine Learning Library (2018 - present)
Library for simple machine learning projects in java script written by me, from scratch. It incorporates basic principles such as linear regression, multilayer neural networks, knn classifier, etc.
- Self sustainable real time anomaly detection system based on unsupervised machine learning methods.
This was part of a bigger project developed during 2018 FON Hackaton for Telecom Big Data.