MILOŠ MILUNOVIĆ

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Computer science student

Summary

Winning hackathons and trying to help machines outperform humans.

Education

2016 - present
Bachelor in Computer Science
Union University, Faculty of Computing, Belgrade

2013 - 2015
Computer science
Petnica Science Center

2012 - 2013
Applied physics and electronics
Petnica Science Center

2012 - 2016
Computer technician
ESTS "Nikola Tesla" Kraljevo

Online Courses and Competitions

31.03.2018. - 01.04.2018.
FON Hackaton 2018 (Telecom Big Data)
Faculty of Organizational Sciences & FONIS
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.

25.05.2018. - 27.05.2018.
Serbia CodeGovernment Hackaton 2018 (3rd place)
Developed web app with simple and minimalistic UI design and smart search engine which simplified usage of eGovernment portal.

12.05.2018. - 13.05.2018.
MatHackathon 2018 (4th place)
University of Belgrade Faculty of Mathematics
Developed simple web app that uses machine learning to classify tourist attractions and recommend them to user according to their needs.

11.01.2018 - 01.02.2018.
Deep Learning Specialization
Coursera
Deep Learning Specialization by Andrew Ng consisting of five individual courses.

2015
National competition in Programming, Belgrade - Participation
Society of Mathematicians of Serbia

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Work experience

01.08.2018 - Present

Data Analyst Consultant

Telekom Srbija

My team and I are developing a system for biggest Serbian telecommunication company. One part of this project is to collect all server logs, filter them and store them efficiently. Then we try to use machine learning for anomaly detection on server metrics, number of logs, and much more. Second part is to use this knowledge to predict future system flows and propose solution. The further idea is to use all of this to propose architectural changes to the system for more efficient usage.

01.09.2017 - present

Teaching assistant

Union University, Faculty of Computing, Belgrade

I teach Intelligent Systems to second year undergraduate students on Unin University. There I work with prof. Jelena Vasiljevic and prof. Nemanja Ilic. Although subject is only a introduction to artificial intelligence I try to incorporate more advanced concepts like neural networks. I thought Introduction to Programming and Object Oriented Programming to students of Undergraduate applied studies in Information Technology last year. Next year I will teach Geometric Algorithms and Cryptography to third year students.

25.05.2018 - present

Chief of Artificial Intelligence

Lazy Brain

I am currently Chief of Artificial Intelligence at Lazy Brain, small startup in Belgrade, Serbia. Our goal is to promote AI and open source in Serbia. One of our projects is Brain Foundation, most advanced learning platform for computer science.

07.06.2017 - 10.09.2017

Teaching Assistant Intern

Zamphyr

I was developing course syllabus in computer science for people with zero technical background.

Tehnical Skills

Algorithms and Data Structure

- Expert, online courses, national competitions and faculty education.

Machine Learning and Data Science

I have wide knowledge of machine learning and data science concepts. I've worked on several projects involving this matter.

Object Oriented Programming

- Advanced, faculty and high school education, individual and college projects.

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- Expert level, Serbian National Competition and some online competitions (CodeForces, HackerRank)

Java

- Advanced, college projects, online competitions, individual projects.

Python

- Individual projects, online courses

HTML 5 CSS jquery

- Intermediate level, individual projects

Javascript

- Intermediate level, individual projects

Projects

- Image Recognition Convolutional Neural Network (2018)
  After finishing Deep Learning Specialization course I modelled arhitecture 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.
- (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.

- (In progress) Beehive monitor (2018 - present)
  Since my family is in beekeeping business I am trying to make it more easy. The idea is to use arduino like hardware to measure temperature, humidity and mass of the bee hive. Then I use machine learning to monitor the hive by combining domain knowledge with gathered data.

- Self sustainable real time anomaly detection system based onunsupervised machine learning methods.
  This was part of a bigger project developed during 2018 FON Hackaton for Telecom Big Data.