Milos Milunovic

Computer Science Student & AI Enthusiast

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Work experience

Teaching assistant 01.09.2017 - present

Union University, Faculty of Computing, Belgrade

Intelligent Systems - second year undergraduate studies

Introduction to Programming and Object Oriented Programming - first year undergraduate studies

Data Analyst Consultant 01.08.2018 - 1.03.2019

Telekom Srbija

Design and develop pipelines to analyze a large amount of telecommunications data and logs using ELK stack.
Configuring Logstash, FileBeats, MetricsBeats and other parts of ELK stack.
Configure and analyze machine learning jobs.
Creating indices and analytics on elasticsearch data, creating visualizations, Dashboards in Kibana.

Chief of Artificial Intelligence 25.05.2018 - present

Lazy Brain

Education

Bachelor in Computer Science 2016 - present

Union University, Faculty of Computing, Belgrade

Online courses

Advanced Machine Learning Specialization - **HSE Coursera**

- Introduction to Deep Learning
- How to Win a Data Science Competition
- Bayesian Methods for Machine Learning
- Practical Reinforcement Learning
- Deep Learning in Computer Vision
- Natural Language Processing

Deep Learning Specialization - **Andrew Ng Coursera**

- Introduction to Deep Learning
- Neural Networks and Deep Learning
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization
- Structuring Machine Learning Projects

Elastic Machine Learning for Cybersecurity - **Elasticsearch**

Projects

Generic Document Editor (2017)

The application can organize and edit various documents. Projects are organized in a workspace and can be seen in a tree view, each project can be modified with a graphical or textual editor, and can also be saved, loaded and shared between workspaces and each other.

Shortest path among polygons (2018)

Solved the problem of finding the shortest path among N polygons using visibility graph and Dijkstra's algorithm in O(N^2logN) complexity

Image Recognition Convolutional Neural Network

After finishing Deep Learning Specialization course I modeled the architecture of the network and trained it using python and Keras framework. I was able to recognize more than 100 types of images with very high precision.

(In progress) Machine Learning Library (2018 - present)

Library for simple machine learning projects in javascript written by me, from scratch. It incorporates basic principles such as linear regression, multilayer neural networks, KNN classifier, etc.

Competitions

FON Hackaton 2018 (1st place)
Developed cloud based system for analysis and visualization of tellecommunication data. Project also included real time anomaly detection system using unsupervised machine learning.

FON Hackathon 2019(2nd place)
Developed a chatbot that provides users with map and information about distribution of allergens in air. We used machine learning to predict amout of pollen based on previous data and additional factors like wind direction and air humidity.

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

MatHackathon 2018 (4th place)
Developed simple web app that uses machine learning to classify tourist attractions and recommend them to user according to their need

Serbian national informatics competition 2015 (3rd place)

Technical Skills

Python

Tensorflow, openCV, Keras, SciPy

Machine Learning

Traditional ML methods, CNN's, RNN's, Feature engineering

ELK Stack

Elasticsearch, Kibana, Logstash, Beats

Java

Object oriented concepts

C, JavaScript, HTML, CSS

Extracurricular activities

Petnica Science Center

- Computer science
- Applied physics and electronics