Miloš Milunović

Computer Science Student & AI Enthusiast

Belgrade (+381) 64 107 6650
milunlovicmilos@gmail.com
linkedin.com/in/milosmilunovic
github.com/mmilunovic

Work experience

Easy Aerial Inc. - Artificial Intelligence Lead **01.07.2019 - present**

- Researching software and hardware solutions.
- Implemented advanced computer vision algorithms for real-time UAV surveillance.
- Collaborated with teams from Rafael and officials from USAF.
- Managed to make a low-cost solution that satisfies our clients' needs.

Union University, Faculty of Computer Science - Teaching assistant **01.09.2017 - present**

- Singlehandedly managed 160 students and assisted them with their projects.
- Designed a new curriculum as well as exams and homework.
- Intelligent Systems - second-year undergraduate studies
- Machine Learning - third-year undergraduate studies

Telekom Srbija - Data Engineer **01.08.2018 - 01.03.2019**

- Design and developed pipelines to analyze a large amount of telecommunications data and server logs using ELK stack.
- Configured and analyzed machine learning agents that helped Telekom reduce expenses of labor and improve employee productivity.
- Made interactive visualizations that made it easy for engineers to present their work and problems to the executive board.

Education

Union University, Faculty of Computer Science **2016 - present (expected to graduate in June 2020)**
Bachelor of Science and Engineering - Computer Science

- Awarded a full scholarship.
- GPA 8.5/10

Competitions

FON Hackathon 2019 (2nd place)

- Collaborated with market research teams in order to address the issues in big cities.
- Developed a friendly chatbot that provided users with information about allergens distribution via an interactive map.
- Incorporated machine learning algorithms to make predictions about future hot zones.
- Presented our work in front of the judges.

FON Hackaton 2018 (1st place)

- Analyzed a large amount of data in order to address the main problem of Telekom and similar companies.
- Designed features and led a team of four to implement an MVP of a cloud-based system for user behavior prediction and anomaly detection in under 24h.
- Presented our work in front of the judges.

e-Government Hackaton 2018 (3rd place)

- Researched the main problem of e-Government and it's lack of users.
- Redesigned UI of e-Government portal and implemented key functionalities in order to make it more accessible to different people groups.

Other Activities

Lazy Brain - Chief of Artificial Intelligence

- Lazy Brain is a non-profit student organization that aims to improve digital intelligence and to spread knowledge of artificial intelligence and algorithmic literacy.
- Founded LazyBrain Digital Intelligence and I'm a member of the executive board as Chief of Artificial Intelligence.
- Planed and organized various events for IT students and professionals including CodeAI hackathon, TechTalks, Brain Summit, TEDxBelgrade
- Collaborated with various IT companies, startups, and academic institutions to improve these events.

Petnica Science Center

- Attended Petnica for three years during high school for computer science, applied physics and electronics.

Individual Projects

Behavioral Cloning for Self-Driving Car - Neural network that learns to drive a car in a simulator from pixel data of previous driving sessions. - in progress

Raflow - Simple machine learning library was written from scratch using only numpy. I managed to solve multiple Kaggle problems using only my library. - in progress

Traffic Signs Classifier - LeNet5 and VGG16 for traffic sign classification. Preprocessing images with standard computer vision methods and CLAHE.

IMDB Sentiment Analysis - Sentiment analysis of IMDB movie reviews using the Multinomial Naive Bayes Classifier.

Online Courses

Advanced Machine Learning Specialization - HSE Coursera

- 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
- Hyperparameter tuning, Regularization, and Optimization
- Structuring Machine Learning Projects

Self Driving Engineer - Udacity Nanodegree

- Computer Vision, Sensor Fusion, Localization
- Behavioral Cloning, ROS

Elastic Machine Learning for Cybersecurity - ELK

Technical Skills

- Python - OpenCV, TensorFlow, Keras, Scipy
- Java - OOP concepts
- Algorithms and Data Structures
- Machine Learning - Traditional ML methods, CNN's, RNN's, Feature engineering
- Project Management - SCRUM(Jira, Asana