Ema Pajić

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EDUCATION

University of Belgrade, Serbia   Belgrade, Serbia

Master of Science: Electrical Engineering & Computer Science   2020 – 2021
- Continuing to masters program

Bachelor of Science: Electrical Engineering & Computer Science   2016 – 2020
- ***GPA***: 8.51 / 10.00
- ***Relevant Coursework***: Artificial Intelligence, Probability & Statistics, Stochastic Systems & Estimation, Neural Networks, Algorithms & Data Structures, Pattern Recognition, Statistical Physics
- ***Leadership***: Student representative of my module at the faculty for the year 2017/2018 - Represented around 150 students of my module in talks with the professors and the faculty administration

PROJECTS

- **Sign Language Recognition using Myo Armbands**   May 2019 – July 2019
  - Built a sign language recognition system using EMG data gathered from 2 MYO armbands
  - Implemented different Machine Learning approaches for detecting sign language letters from periodograms of EMG data in Python
- **Localization on TurtleBot**   July 2018 – November 2018
  - Implemented localization based on particle filter algorithm in Python with ROS and Gazebo and tested it on a TurtleBot
- **Operating System Kernel**   July 2018 - September 2018
  - Implemented threads and process time sharing in C++ from scratch

SKILLS, ACTIVITIES & INTERESTS

- **Google CodeU program**   Summer 2018
  - Participated in a program for selected tech students from all over EMEA
  - The program involved group assignments, regular code reviews with a Google Engineer and peer to peer code reviews, learning industry best practices such as testing and debugging etc. Samples of my code can be found here: https://github.com/flerdacodeu/CodeU-2018-Group7/tree/master/EmaPajic
- **Petnica Summer Institute of Machine Learning (PSIML)**   Summer 2018
  - Attended intense all-day courses on various ML topics which combine theoretical and practical work, including working on project tasks. Selected for the participation by Microsoft Development Center Serbia
- **Skills:**
  - C/C++, Python, Algorithmics, Probability, Mathematics, Physics, ROS(Robot Operating System), Machine Learning, Matlab, Java, Bash, Assembly
  - Self-taught Python in order to experiment with Kaggle datasets
- **Competitions & Awards:**
  - Hackathon at WomENcourage conference - 1st place (2018) - topic: Intelligent drone system for detecting forest fires
- **Volunteering:**
  - Volunteered at ACM womENcourage conference 2018
- **Interests:** Currently learning Spanish, Hoping to visit remote Pacific islands, Skiing, Hackathons