Slavko Kovačević

Teaching and Research Assistant

📞 (+382) 67/643-066 | ✉ skovacevic@ucg.ac.me | ⚙ slavzilla | in slavkokovacevic

Education

University of Montenegro   *Podgorica, Montenegro*
Doctor of Philosophy, PhD - Computer Science   *November 2021 - PRESENT*

University of Montenegro   *Podgorica, Montenegro*
Master of Computer Science   *October 2019 - October 2021*

University of Montenegro   *Podgorica, Montenegro*
Specialist of Computer Science   *October 2018 - September 2019*

University of Montenegro   *Podgorica, Montenegro*
Bachelor of Electronics, Telecommunications and Computers   *September 2015 - July 2018*

Experience

Faculty of Eletrical Engineering, University of Montenegro   *Podgorica, Montenegro*
Teaching and Research Assistant   *October 2021 - PRESENT*

Ridgemax Solutions   *Podgorica, Montenegro*
Android Development Advisor   *Mach 2022 - August 2022*

Fleka   *Podgorica, Montenegro*
Android Developer   *June 2020 - October 2021*

RobotCode   *Podgorica, Montenegro*
Android Developer   *January 2020 - October 2020*

Omnitech MNE   *Podgorica, Montenegro*
Machine Learning Researcher   *December 2018 - April 2020*

InfoStream ltd   *Podgorica, Montenegro*
Oracle PL/SQL Developer (Volunteer)   *July 2018 - October 2018*

Projects

Machine Learning Course   *Podgorica, Montenegro*
Teaching Assistant   *August 2019 - October 2019*
- Took part in organizing first Montenegrin ML course that had 16 attendees and consisted of 8 weeks of lecture
- Prepared lectures, homework, assignments and did a bit of teaching

BonsAPPs H2020: AI-as-a-Service for the Deep Edge
Deep Learning Engineer   *February 2022 - July 2022*
- Was assigned on tasks such as model optimization, quantization, knowledge distillation, hyperparameter optimization, neural architecture search and so on
- Maintenance and utilization of embedded systems as well as high-performance computing systems

Bixbit Spellchecker   *Podgorica, Montenegro*

Artificial Intelligence Engineer   *June 2022 - PRESENT*

- Developing state-of-the-art spellchecking AI solution for Serbian language

Plate recognition system   *Podgorica, Montenegro*

Deep Learning Engineer, Project Manager   *January 2023 - PRESENT*

- Developing state-of-the-art vehicle registration plates detection and recognition
- Project is funded by the Innovation Fund of Montenegro

Extracurricular activity

Student's representative

University of Montenegro   *September 2015 - September 2020*

- Was elected to represent generation of 2015/16 of University of Montenegro, Faculty of Electrical Engineering and since then reelected every year
- Founded first digital library for students of electrical engineering in Montenegro that now consists of more than 3 thousand books, notes, files and other useful material for studying

Publications

[1] Mirko Kalezić, Petar Sekulić, and Slavko Kovačević. Video object segmentation using optical flow and recurrent neural networks. In *2020 9th Mediterranean Conference on Embedded Computing (MECO)*, pages 1–4. IEEE, 2020.

[2] Petar Sekulić, Paola Regina, Luana Spadafina, Giuseppe Dentamaro, Alessandro Porcelli, Cristiano Bove, Slavko Kovačević, and Mirko Kalezić. Real-time flood prediction using recurrent neural networks and random forest. In *Proceedings of 24th Imeko TC-4 International Symposium*, 2020.

[3] Kosta Pavlović, Slavko Kovačević, and Igor Djurović. Speech watermarking using deep neural networks. In *Proceedings of 28th Telecommunications Forum (TELFOR)*, pages 292–295. IEEE, 2020.

[4] Slavko Kovačević. Watermark embedding usind deep neural networks. Master's thesis, University of Montenegro, oct 2021.

[5] Kosta Pavlović, Slavko Kovačević, Igor Djurović, and Adam Wojciechowski. Robust speech watermarking by a jointly trained embedder and detector using a DNN. *Digital Signal Processing*, 122, apr 2022.

[6] Kosta Pavlović, Slavko Kovačević, Igor Djurović, and Adam Wojciechowski. DNN-based speech watermarking resistant to desynchronization attacks. *International Journal of Wavelets, Multiresolution and Information Processing*, mar 2023.