



## Teaching Assistant at University of Novi Sad, Faculty of Sciences

### PROFESSIONAL EXPERIENCE

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2014—PRESENT	<b>University of Novi Sad, Faculty of Sciences, Novi Sad (Serbia)</b> , Teaching assistant.
2014—2017	<b>Panza Games, Novi Sad (Serbia)</b> , Part-time game developer. Developed several independent games in Unity3D (C#).
2013—2014	<b>Schneider Electric DMS NS, Novi Sad (Serbia)</b> , Full-time web developer. Worked on server-side in .NET (C#).

### EDUCATION

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2014—PRESENT	<b>Ph.D. studies in Computer Science, Machine Learning</b> at the University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics. (Defense expected on November, 2020)
2011—2013	<b>Master studies in Information Technology</b> at the University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics. 120 ECTS credits; GPA: 10.00 (scale 5-10)
2008—2011	<b>Bachelor studies in Information Technology</b> at the University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics. 180 ECTS credits; GPA: 9.85 (scale 5-10)

### LANGUAGES

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Serbian (Native speaker); English (Fluent); Spanish (Basic knowledge).

### PUBLICATIONS

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2020	Zoran Bosnić, <b>Brankica Bratić</b> , Mirjana Ivanović, Marija Semnic, Iztok Oder, Vladimir Kurbalija, Tijana Vujanić Stankov, and Vojislava Bugarski Ignjatović, <i>Improving Alzheimer's disease classification by performing data fusion with vascular dementia and stroke data</i> , Journal of Experimental & Theoretical Artificial Intelligence, 2020, DOI= <a href="https://doi.org/10.1080/0952813X.2020.1818290">10.1080/0952813X.2020.1818290</a>
2020	Katarina Rojko, <b>Brankica Bratić</b> , Borut Lužar, <i>The Bologna reform's impacts on the scientific publication performance of Ph.D. graduates—the case of Slovenia</i> , Scientometrics, 124(1), 2020, DOI= <a href="https://doi.org/10.1007/s11192-020-03482-w">10.1007/s11192-020-03482-w</a>
2020	<b>Brankica Bratić</b> , Vasileios Triglianos, Vladimir Kurbalija, Cesare Pautasso, Mirjana Ivanović, <i>Role of interactive presentation platform ASQ in delivering web design course</i> , Smart Learning Environments, 7(1), 2020, DOI= <a href="https://doi.org/10.1186/s40561-020-00123-w">10.1186/s40561-020-00123-w</a>
2019	<b>Brankica Bratić</b> , Michael E Houle, Vladimir Kurbalija, Vincent Oria, Miloš Radovanović, <i>The Influence of Hubness on NN-Descent</i> , International Journal on Artificial Intelligence Tools, 28(06), 2019, DOI= <a href="https://doi.org/10.1142/S0218213019600029">10.1142/S0218213019600029</a>
2018	<b>Brankica Bratić</b> , Vladimir Kurbalija, Mirjana Ivanović, Iztok Oder, Zoran Bosnić, <i>Machine Learning for Predicting Cognitive Diseases: Methods, Data Sources and Risk Factors.</i> , Journal of medical systems, 42(12), 2018, DOI= <a href="https://doi.org/10.1007/s10916-018-1071-x">10.1007/s10916-018-1071-x</a>
2018	<b>Brankica Bratić</b> , Michael E. Houle, Vladimir Kurbalija, Vincent Oria, Miloš Radovanović, <i>NNDescent on High-Dimensional Data</i> , In Proceedings of the 8th International Conference on Web Intelligence, Mining and Semantics, 2018, DOI= <a href="https://doi.org/10.1145/3227609.3227643">10.1145/3227609.3227643</a> [best paper award]
2016	Vladimir Kurbalija, <b>Brankica Bratić</b> , <i>Time series reconstruction analysis</i> , In Proceedings of the 8th IEEE International Conference on Intelligent Systems IS'16, 2016, DOI= <a href="https://doi.org/10.1109/IS.2016.7737400">10.1109/IS.2016.7737400</a>

## RESEARCH CONTRACTS

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2020—2022	ASCAPE: Artificial intelligence Supporting CAncer Patients across Europe (EU, Call Topic H2020-SC1-DTH-2018-2020 “Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment”)
2018—2019	Intelligent Techniques and their Integration into Wide-Spectrum Decision Support, 2018, Supported by Serbian Ministry of Education, Science and Technological Development, Project no. OI174023
2018—2019	Advanced methods for complex network analysis with applications in decision support systems, 2018—2019, Bilateral Project, Supported by ministries of science of both countries (Serbia and Slovenia)
2018—2019	Human-machine Harmony Emotional Intelligence Based on the Imitative Brain, 2018—2019, Bilateral Project, Supported by ministries of science of both countries (Serbia and China)
2015—2018	Innovative teaching curricula, methods and infrastructures for computer science and software engineering, 2015—2018, Institutional partnerships (SCOPEs), Project no. 160480
2016—2017	Intelligent techniques for improving medical detection, analysis and explanation of human cognition and behavior disorders, 2016—2017, Bilateral Project, Supported by ministries of science of both countries (Serbia and Slovenia)

## AWARDS AND MERITS

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2012/2013	Dositeja Fellowship by Government of the Republic of Serbia.
2010/2011	Dositeja Fellowship by Government of the Republic of Serbia.
2010/2011	Special Prize for the academic achievement in school year 2010/2011.
2009/2010	Special Prize for the academic achievement in school year 2009/2010.

## SCHOOLS AND INTERNSHIPS

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2019	Faculty of Information Studies, January 21 – February 15, 2019, Novo Mesto, Slovenia
2017	Faculty of Computer and Information Science, University of Ljubljana, May 15 – June 15, 2017, Ljubljana, Slovenia
2016	National Institute of Informatics, May 30 – July 29, 2016, Tokyo, Japan
2012	Winter School on Verification, TU Wien, 2012, Vienna, Austria
2011	Robot Wars Spring School, 2011, Kaunas, Lithuania

## TEACHING EXPERIENCE

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2020–PRESENT	Artificial Intelligence
2018	Data Structures and Algorithms 2
2017–PRESENT	Web Programming
2017	Audio, Speech and Language Processing
2016–2017	Operating Systems 1
2015–PRESENT	Compiler Construction
2015–PRESENT	Requirements Engineering
2015–PRESENT	Web Design
2015–2016	Computer Graphics 1
2015	Computer Graphics 2
2015	Object Oriented Programming 1
2015	Operating Systems 2