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## MSc JOVANA JOVIĆ, ASISTENT

### LIČNE OSOBINE

- Sposobnost rešavanja kompleksnih problema
- Inovativnost
- Motivisanost
- Preciznost i odgovornost
- Komunikativnost i timski rad

### ISKUSTVO

#### **ASISTENT, FAKULTET INFORMACIONIH TEHNOLOGIJA, UNIVERZITET METROPOLITAN**

Okt. 2015 - danas

Predmeti: CS101 Uvod u objektno-orijentisano programiranje, CS102 Objekti i apstrakcija podataka, SE201 Uvod u softversko inženjerstvo, SE211 Konstruisanje softvera, IT355 Veb sistemi 2, SE311 Softverska arhitektura i SE322 Inženjerstvo zahteva .

#### **SENIOR SOFTVER INŽENJER, UNIVERZITET METROPOLITAN, POSLOVNO OBRAZOVNI CENTAR U NIŠU**

Nov. 2015 - danas

Odgovornosti:

- Projektovanje softverske arhitekture, dizajniranje i razvoj različitih softverskih rešenja.
- **Mentor** stipendista firme Innovative Software Technology (IST) angažovanih na projektima Univerziteta Metropolitan.
- Agilno vođenje projekata zasnovano na Scrum metodologiji.

#### **ISTRAŽIVAČ**

Mar. 2018 – danas

Projekat III 044006, "Razvoj novih informaciono-komunikacionih tehnologija, korišćenjem naprednih matematičkih metoda, sa primenom u medicini, telekomunikacijama, energetici, zaštiti nacionalne baštine i obrazovanju", Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije.

Oblasti istraživanja: personalizovano i adaptivno učenje, veštačka inteligencija, objektno orijentisani dizajn i programiranje, mašinsko učenje, softverska arhitektura i kvalitet softvera.

#### **PREDAVAČ, METROPOLITAN UNIVERZITET, POSLOVNO OBRAZOVNI CENTAR U NIŠU**

Jan. 2018 – Jul 2018

Projekat: *RFP 510 Serbia at your fingertips – Digital transformation for development – "UNDP retraining program"*.

**PREDAVAČ, METROPOLITAN UNIVERZITET, POSLOVNO OBRAZOVNI CENTAR U NIŠU**

Oct. 2017 – Oct. 2019

Projekat: *ERASMUS+ Project "Introduction of part-time and short cycle studies in Serbia"*.

**PROFESOR, METROPOLITAN GIMNAZIJA, POSLOVNO OBRAZOVNI CENTAR U NIŠU**

Sep. 2018 – Sep. 2019.

Predmeti: C programski jezik.

**PROGRAMER, CERAiT Inc. TORONTO, CANADA (REMOTE)**

Mar. 2015 – Jan. 2019

Odgovornosti:

- Razvoj iOS mobilnih aplikacija korišćenjem Objective C programskog jezika.
- Razvoj i održavanje Drupal veb sistema.
- Rad sa senior programerima na planiranju i projektovanju velikih softverskih proizvoda.
- Sprovođenje testova osiguranja kvaliteta radi otkrivanja grešaka i optimizacije upotrebljivosti.

**FREELANCE PROGRAMER**

2014 – Mar. 2015

Različiti projekti.

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**OBRAZOVANJE**

**DOKTORSKE STUDIJE, FAKULTET INFORMACIONIH TEHNOLOGIJA, METROPOLITAN UNIVERZITET**

Okt. 2015 – danas

Oblast: Softversko inženjerstvo.

Istraživačka tema: Personalizovano onlajn učenje, mašinsko učenje i veštačka inteligencija.

Mentor: Dragan Domazet, Profesor Emeritus, Metropolitan Univerzitet.

**MASTER STUDIJE, ELEKTRONSKI FAKULTET, UNIVERZITET U NIŠU**

Okt. 2014 – Sep. 2015

Oblast: Softversko inženjerstvo.

Tema master rada: "Metode i alata obezbeđivanja sigurnosti u e-poslovanju".

Mentor: Vladan V. Vučković, Redovni profesor, Univerzitet u Nišu.

**OSNOVNE STUDIJE, ELEKTRONSKI FAKULTET, UNIVERZITET U NIŠU**

Okt. 2010 – Sep. 2014

Oblast: Računarstvo i informatika.

Tema završnog rada: "Klasifikacija podataka kretanja na osnovu aktivnosti mobilnih korisnika".

Mentor: Dragan H. Stojanović, Redovni profesor, Univerzitet u Nišu.

## VEŠTINE

### Programski jezici:

- Java, Python, PHP, C/C++, Objective C

### Alati:

- Jira, Git, PowerDesigner/VisualParadigm, MS Project.

### Radni okviri:

- Apache Tapestry, Spring, Spring Boot, Hibernate, Flask, Django

### Baze podataka:

- Relacione baze podataka (MySQL, Oracle SQL, PostgreSQL), NoSQL (MongoDB, Cassandra, Neo4j)

### Markup & style:

- HTML/HTML5, CSS (Ruby SASS), Bootstrap

### Ostalo:

- JavaScript, TypeScript, Node.js/Express, Laravel, C#, Android SDK, Tomcat, Nginx

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## JEZICI

- Srpski
- Engleski

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## REFERENCE

- V. Milićević, N. Zdravković, **J. Jovic**, "Novi matematički model za softversko rešenje modifikovanog transportnog sistema," 10<sup>th</sup> International conference on social and technological development – STED 2021. Trebinje, Jun 2021.
- A. Joshua Jafferson, V. Ponnusamy, **J. Jovic**, M. Trajanovic, "An IoT based Cloud EEG Signal Analytic Framework for Thought to Text Mapping," , IEIE Transactions on Smart Processing and Computing, vol. 1, no. 1, (accepted).
- V. Milicevic, **J. Jovic**, N. Zdravkovic, "An overview of Hyperledger blockchain technologies and their uses," in Proceedings of the 11th International Conference on Information Society and Technology (ICIST 2021), Mar. 2021.
- D. Domazet, **J. Jovic**, M. Damjanovic and V. Grkovic, "Značaj Informacionog sistema Univerziteta Metropolitan u obrazovnom procesu," (The importance of the Metropolitan University Information System in its educational process), in Proceeding of the TREND 2020 Conference, Feb. 2020
- **J. Jovic**, M.Raspopovic Milic, S. Cvetanovic, N. Gavrilovic, D. Domazet, R. Nikolic, E. Silvana Vejar, "Intelligent Recommender System for Personalized Online Learning", Proceedings of the 11th International Conference on eLearning (eLearning-2020), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 24. - 25. Sep, 2020.
- **J. Jovic**, D.Domazet, M. Raspopovic Milic, K. Chandra " Student model in intelligent tutoring systems - a systematic review", Proceedings of the 11th International Conference on eLearning (eLearning-2020), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 24. - 25. Sep, 2020.
- N. Zdravkovic, **J. Jovic**, M. Damjanovic, " Secure Credentialing in e-Learning using Blockchain", Proceedings of the 11th International Conference on eLearning (eLearning-2020), Belgrade Metropolitan University, Open

Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 24. - 25. Sep, 2020.

- V. Grkovic, **J. Jovic**, N. Zdravkovic, M. Trajanovic, D. Domazet, and V. Ponnusamy, "Usage of Blockchain Technology for Sensitive Data Protection – Medical records Use Case," in Proceedings of the 10th International Conference on Information Society and Technology (ICIST 2020), Mar. 2020.
- **J. Jovic**, N.Gavrilovic, D.Domazet, "Intelligent Tutoring Systems: a systematic review", Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic Milic, K. Chandra, "Implementation of machine learning based methods in eLearning systems", Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- D.Domazet, N.Gavrilovic, **J. Jovic** , "Efficiency of development of eLearning materials based on learning objects", Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- N.Gavrilovic, D.Domazet, **J. Jovic** , "Collaborative learning with real-time learning interventions ", Proceedings of the 10th International Conference on eLearning (eLearning-2019), Belgrade Metropolitan University, Open Universiteit Netherlands, Mathematical Institute SANU, Belgrade, Serbia, 26. - 27. Sep, 2019.
- **J. Jovic**, D.Domazet, "Evaluation of Pilot Online Short Cycle Program "Programming in Java"", Proceedings of the 9th International Conference on eLearning (eLearning-2018), Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Beograd, Srbija, 27. - 28. Sep, 2018.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic Milic, K. Chandra, "Authoring Tool for Ontology Development for Online Learning", Proceedings of the 9th International Conference on eLearning (eLearning-2018), Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Beograd, Srbija, 27. - 28. Sep, 2018.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic Milic, K. Chandra, "Integration of Social Learning Environment and Ontology-Based System for Retrieval of Learning Objects", Proceedings of the 8th International Conference on eLearning (eLearning-2017), Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Beograd, Srbija, 28. - 29. Sep, 2017.
- **J. Jovic**, S. Cvetanovic, M. Raspopovic, System for Learning Objects Retrieval in Ontology-based Database CourseSystem for Learning Objects Retrieval in Ontology-based Database Course, Proceedings of the 7th International Conference on eLearning, Univerzitet Metropolitan, Open Universiteit Netherlands, Matematički institut SANU, Srbija, Sep. 2016.