

Curriculum Vitae



Personal Information:

- Name and surname: Gorjan Popovski
- Date of birth: 29.07.1997
- Nationality: Republic of North Macedonia
- Current residence: Ljubljana, Slovenia

Contact and websites:

- Email: gorjan.popovski@ijs.si
- Website: <http://cs.ijs.si/popovski/>
- ResearchGate: https://www.researchgate.net/profile/Gorjan_Popovski
- LinkedIn: <https://www.linkedin.com/in/gopop/>
- Google Scholar: <https://scholar.google.com/citations?user=3IMe18kAAAAJ&hl=en>

Education:

- **PhD candidate**
 - Jožef Stefan International Postgraduate School, Ljubljana, Republic of Slovenia
 - Time period: 10/2020 - ongoing
- **Master of Science**
 - Title: Master of Information and Communication Technologies. (In Slovenian: magister informacijskih in komunikacijskih tehnologij)
 - Jožef Stefan International Postgraduate School, Ljubljana, Republic of Slovenia
 - Time period: 10/2019 – 09/2020
 - Final Grade Average: 9.89/10
- **Bachelor of Science**
 - Title: Bachelor of Science (Information Technology); sub-degree: Computer Science and Engineering.
 - Faculty of Computer Science and Engineering (FCSE) – “Ss. Cyril and Methodius” University in Skopje, Republic of North Macedonia
 - Time period: 09/2016 – 06/2019
 - Final Grade Average: 9.63/10

Languages:

- Macedonian - native language
- English – C2
 - Acquired international “Certificate of Proficiency in English (CPE)”; passed exam at language level C2 with grade A, held by Cambridge in 2016 (License 0051815940)
- Slovenian – A2/B1

Fields of interest:

- Natural Language Processing, Machine Learning, Deep Learning, Representation Learning, Knowledge Engineering

Work experience:

- 01.10.2020 – ongoing: Young Researcher at the Jožef Stefan Institute, department of Computer Systems (E7), Ljubljana, Slovenia
- 22.06.2020 – 09.09.2020: Research summer internship at Data and Science Lab (dlab) School of Computer and Communication Sciences at EPFL in Lausanne, Switzerland. (Held remotely).
- 10.09.2019 – 30.09.2020: Research Assistant at the Jožef Stefan Institute, department of Computer Systems (E7), Ljubljana, Slovenia
- 18.02.2019 – 22.03.2019: Visiting researcher at the Jožef Stefan Institute, department of Computer Systems (E7), Ljubljana, Slovenia

- 20.07.2018 – 20.09.2018: Visiting researcher at the Jožef Stefan Institute, department of Computer Systems (E7), Ljubljana, Slovenia
- 15.03.2018 – 15.06.2018: Back-End Development intern at doXteam, Skopje, Republic of Macedonia
- 22.09.2017 – 22.09.2018: Part-time educator of advanced topics in Data Structures and Algorithms for Competitive Programming at Semos Education, Skopje, Republic of Macedonia; aimed at preparing middle grade and high school students for national and international Olympiads

Programming languages (in descending order of proficiency):

- Python, C++, R, C, C#, Java, Clojure, JavaScript/TypeScript, Octave/MATLAB

Frameworks and technologies (no ordering):

- Keras, Tensorflow

Selected scientific publications:

Journal articles:

- [2020] Eftimov, T., **Popovski, G.**, Petković, M., Seljak, B. K., & Koccev, D. (2020). COVID-19 pandemic changes the food consumption patterns. *Trends in Food Science & Technology*, S0924224420305823.
- [2020] Eftimov, T., **Popovski, G.**, Valenčič, E., & Seljak, B. K. (2020). FoodEx2vec: New foods' representation for advanced food data analysis. *Food and Chemical Toxicology*, 138, 111169.
- [2020] **Popovski, G.**, Seljak, B. K., & Eftimov, T. (2020). A survey of named-entity recognition methods for food information extraction. *IEEE Access*, 8, 31586–31594.
- [2019] **Popovski, G.**, Seljak, B. K., & Eftimov, T. (2010). FoodBase corpus: a new resource of annotated food entities. *Database*, Volume 2019, baz121.

Conference articles:

- [2020] Eftimov, T., Hribar, R., Škvorc, U., **Popovski, G.**, Petelin, G., & Korošec, P. (2020). PerformViz: A machine learning approach to visualize and understand the performance of single-objective optimization algorithms. *Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion*, 7–8.
- [2020] Eftimov, T., **Popovski, G.**, Koccev, D., & Korošec, P. (2020). Performance2vec: A step further in explainable stochastic optimization algorithm performance. *Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion*, 193–194.
- [2020] Eftimov, T., Petelin, G., Hribar, R., **Popovski, G.**, Škvorc, U., & Korošec, P. (2020). Deep statistics: More robust performance statistics for single-objective optimization benchmarking. *Proceedings of the 2020 Genetic and Evolutionary Computation Conference Companion*, 5–6.
- [2020] **Popovski, G.**, Ispirova, G., Hadzi-Kotarova, N., Valenčič, E., Eftimov, T., & Seljak, B. (2020). Food data integration by using heuristics based on lexical and semantic similarities: *Proceedings of the 13th International Joint Conference on Biomedical Engineering Systems and Technologies*, 208–216.
- [2019] **Popovski, G.**, Paudel, B., Eftimov, T., & Seljak, B. K. (2019). Exploring a standardized language for describing foods using embedding techniques. *2019 IEEE International Conference on Big Data (Big Data)*, 5172–5176.
- [2019] **Popovski, G.**, Seljak, B., & Eftimov, T. (2019). FoodOntoMap: Linking food concepts across different food ontologies: *Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management*, 195–202.
- [2019] **Popovski, G.**, Kochev, S., Seljak, B., & Eftimov, T. (2019). FoodIe: A rule-based named-entity recognition method for food information extraction: *Proceedings of the 8th International Conference on Pattern Recognition Applications and Methods*, 915–922.

Awards and Accomplishments

- Awards from competitions in informatics (algorithms) organized by CSM (Computer Society of Macedonia) for middle and high school students:
 - National competitions:
 - First award: 2015, 2012
 - Second award: 2016, 2014, 2013
 - Third award: 2011
 - Macedonian Olympiad in Informatics (MOI)
 - Bronze medal at MOI: 2016, 2014
 - Bronze medal at the Junior Balkan Olympiad in Informatics (JBOI) in 2012.

- IEEEExtreme competitions:
 - IEEEExtreme 12.0, 2018 – ranked 186 out of 2608 teams;
 - IEEEExtreme 11.0, 2017 – ranked 181 out of 3350 teams;
 - IEEEExtreme 10.0, 2016 – ranked 281 out of 1823 teams.
- Google Hash Code:
 - Google Hash Code 2017 - ranked 752 out of 2814 teams.
- In top 0.28% (3 out of 1049) of students that took the course, who achieved the highest grade (10) on the course “Algorithms and Data Structures” held at FCSE.
- Two-time (2016-2018) award for excellent academic undergraduate performance throughout the academic year at the Faculty of Computer Science and Engineering.

Scholarships:

- Postgraduate Ad Futura Scholarship for study in Slovenia (2 years).
- Scholarship awarded to 100 students by the Ministry of Education of The Republic of North Macedonia for excellent undergraduate academic success (2 years).

Organizations and other activities:

- Part of organizing team:
 - [Big Food and Nutrition Data Management and Analysis \(BNFMDA\)](#) workshop at [2020 IEEE International Conference on Big Data](#).
- Reviewer
 - IEEE Access (<https://ieeaccess.ieee.org/>).
 - Database (<https://academic.oup.com/DATABASE/>)
- Memberships
 - Member of IEEE since 2016
- Volunteering
 - RecSys 2020 student volunteer

References on request:

- Tome Eftimov, Ph.D. (Master’s studies co-supervisor and closest collaborator)
 - Department of Computer Systems, Jožef Stefan Institute, Jamova cesta 39, 1000 Ljubljana, Slovenia
 - Email: tome.eftimov@ijs.si
- Assoc. Prof. Barbara Koroušič Seljak, Ph.D. (Master’s studies supervisor)
 - Department of Computer Systems, Jožef Stefan Institute, Jamova cesta 39, 1000 Ljubljana, Slovenia
 - Email: barbara.korousic@ijs.si
- Asst. Prof. Robert West, Ph.D (EPFL researchinternship mentor)
 - Data Science Lab, School of Computer and Communication Sciences at EPFL in Lausanne, Switzerland.
 - Email: robert.west@epfl.ch

Courses and specializations (passed and acquired certificate):

Coursera

- [September 2020] “Deep Learning Specialization” (5 courses) held by Andrew Ng, deeplearning.ai, credential ID: [SWGELEC7RATL](#)
- [October 2018] “Cryptography I” held by Dan Boneh, Stanford University [CAH7UZ476CXH](#)
- [February 2018] “Game Theory II: Advanced Applications”, held by Stanford University and The University of British Columbia, credential ID: [EA2K9QEND85C](#)
- [January 2018] “Game Theory”, held by Stanford University and The University of British Columbia, credential ID: [XDP35ZQE48VK](#)
- [January 2017] “Machine Learning, held by Andrew Ng, Stanford University, credential ID: [E7FRUWMQHLP2](#)

Other courses and summer schools:

- “Engineering cryptography software“ held by Peter Schwabe in cooperation with FCSE and Digital Security Group, Radboud University, The Netherlands

- “Summer School on Real-World Crypto and Privacy”, organized by the Digital Security (DiS) group, Radboud University (The Netherlands), COSIC group, KU Leuven (Belgium), ETH Zurich Information Security and Privacy Center (Switzerland) and Faculty of Electrical Engineering and Computing, University of Zagreb (Croatia). (<https://summerschool-croatia.cs.ru.nl/2017/index.shtml>)
- “The Art of Game Programming – Create Your Own Entertainment” organized by Board of European Students of Technology (BEST), held by the Silesian University of Technology, Gliwice, Poland and lecturers from game development company Artifex Mundi, where a group of 23 students from 18 countries participated.
- “Connect'em All! Internet of Things” organized by Board of European Students of Technology (BEST), held by the Lodz University of Technology, Lodz, Poland, where a group of 18 students from 11 countries participated.

Personal hobbies:

- Literature
- Creative writing