Boshko Koloski

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Education

International Postgraduate School Jožef Stefan (IPS)　　　　　　　　　　　**Ljubljana, Slovenia**

PhD degree in Artificial Intelligence | GPA: TBA　　　　　　　　　　　　　　Oct 2022 - TBD

Master's degree in Artificial Intelligence | GPA: 9.67/10　　　　　　　　Oct 2020 - September 2022

Thesis: Knowledge graph informed fake news classification via heterogeneous representation ensembles | Advisor: Assist. Prof. Senja Pollak, Co-advisor: Dr. Blaž Škrlj

University of Ljubljana　　　　　　　　　　　　　　　　　　　　　　**Ljubljana, Slovenia**

Bachelor's degree in Computer and Information Science | GPA: 9.00/10　　　　Oct 2017 - September 2020

Thesis: Knowledge graph-based document embedding enrichment | Advisor: Prof. Marko Robnik Šikonja, Co-advisor: Blaž Škrlj

Experience

Jožef Stefan Institute　　　　　　　　　　　　　　　　　　　　　　**Ljubljana, Slovenia**

Research Assistant, supervised by *Prof. Senja Pollak, Dr. Blaž Škrlj*　　　　Feb 2020 - Present

- Published **18** conference and **one** journal articles by developing novel heterogeneous knowledge-aware document representations used in **document classification**, **document similarity**, **cross-lingual profiling** of social-media users and **keyword detection** in PyTorch.
- Coordinated the proposal for an EU-funded project and managed several work-packages and reporting on several national projects. Applied the newly developed architecture in practice (for Slovenian News Agency **Kliping**, Estonian Agency **ERR** and Croatian **24sata.hr**) in **Docker** for multiplatform use.

Outbrain Ljubljana　　　　　　　　　　　　　　　　　　　　　　　**Ljubljana, Slovenia**

Data Scientist, supervised by *Dr. Martin Jakomin*　　　　　　　　　　　Jun 2022 - October 2022

- Improved ad click-through-rate model by creating new and more informative **NLP** features to be used in the **Zemanta One (Z1)** product in **Python** and **GoLang**

Data science Lab, EPFL　　　　　　　　　　　　　　**Lausanne, Switzerland (remote)**

Research Assistant, supervised by *Marija Šakota*　　　　　　　　　　　　Jun 2021 - Sept 2021

- Explored techniques for acquiring data-set of **span insertion** and **fact changes** from **Wikipedia** in multilingual setting.

HYCU, Inc.　　　　　　　　　　　　　　　　　　　　　　　　　　**Ljubljana, Slovenia**

Software Engineering Intern　　　　　　　　　　　　　　　　　　　　May 2019 - Feb 2020

- Developed various tools for monitoring and analysis of the Cloud Migration platform in **Bash**, **Java** and **Python**.

University of Ljubljana　　　　　　　　　　　　　　　　　　　　　　**Ljubljana, Slovenia**

Research Assistant, supervised by *Assist. Prof. Ciril Bohak*　　　　　　　　May 2020 - July 2020

- Implemented two therapies as video-games for a gamification based platform for post-operative and physical therapy treatments in **Unity** wtih **C#**, for the **Equio** product of the **Kinestica** company.

Java Programming Tutor　　　　　　　　　　　　　　　　　　　　　　Sep 2019 - Feb 2020

- Assisted students in completing weekly labs, solving exercises and helped them prepare for midterms and final exam. Helped the TAs and professor organize the lectures.

Achievements

Young Researcher Grant. Project funding for independent doctoral research from the *Slovenian Research Agency.*　　Oct 2022

Winner of national hackathons. DragonHack 2022 (1st out of 40 teams) and GreenHack 2021 (1st out of 15 teams).　May 2022

Qualified at the Central European Regional Contest (CERC-ICPC) 2019 Our team places top 3 on university level and participated in CERC.　　Dec 2019

Languages

Programming: Python, C, C++, Java, GoLang , R, SQL, Shell, Prolog, SML, C#, GitHub

Natural: English, Macedonian (native), Slovene (proficient), Serbian (proficient)

Extracurricular activities

- Lecturer of various Data Science fields at two private learning academies: CreativeHub and Brainster.
- Other activities: gym, ju-jitsu, learning foreign languages, video games, reading