Aleksandar Anžel

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Born 06.08.1995.

AAnzel

AAnzel

AleksandarAnzel

https://aanzel.github.io

WORK EXPERIENCE

December 2020 – present

Research assistant

Heider Lab, Philipps-Universität Marburg, Marburg

- Creating bioinformatics pipelines, using ML for organic storage modeling, using ML for omics problems, using ML for human-centered visualization

EDUCATION

2020 – present

PhD degree in Computer Science

Philipps-Universität Marburg

August 2021

OxML summer school participant

Machine Learning summer school, University of Oxford

2018 – 2020

Master's degree in Mathematics

Module: Computer Science and Informatics

Faculty of Mathematics, University of Belgrade

- Average grade: 10.00 (out of 10.00)
- Thesis: *Determining protein N-glycosylation with machine learning methods*

2014 – 2018

Bachelor's degree in Mathematics

Module: Computer Science and Informatics

Faculty of Mathematics, University of Belgrade

- Average grade: 8.66 (out of 10.00)

SKILLS

Languages

Serbian – Native proficiency

English – Full professional proficiency

- Cambridge English: First (FCE): upper intermediate (B2 in CEFR)

German – Elementary proficiency

French – Elementary proficiency

Computer Science

Software Development

- C, Python, C++, Java, MATLAB, Shell, Haskell, Assembly IA-64, Assembly ARM-32

Machine Learning

- Keras, Tensorflow, Scikit-learn

Data Management

- SQL

Bioinformatics, Scientific Computing, Data Science, Visualization

Document manipulation

LaTeX, Libre Office Suite, Microsoft Office Suite

Soft skills

- Excellent organizational and communication skills
- Ability to work collaboratively with people at all professional levels
- Thoroughness, with rigorous attention to both detail and quality

PROJECTS

Bioinformatics

- *Determining protein N-glycosylation with machine learning methods*
- *Modification and analysis of UPGMA algorithm while using different metrics*

Computer Science

- *Finding Waldo using various Machine Learning methods*
- *Image modification and correction with Python*
- *Determining integer variable ranges using Abstract Interpretation in C++ (LLVM, Clang)*
- *AVL trees in C programming language*

SELECTED EVENTS

2021

- *Symposium on Interdisciplinary Bioinformatics and Biomedical Data Science (IBBMDS).* Marburg, Germany. (presenter)

2020

- *IEEE Visualization Conference (VIS).* Salt Lake City, Utah, USA. (attendee)
- *Eurographics & Eurovis (EGEV).* Norrköpping, Sweden. (attendee)

TEACHING

2021

- *Seminar, Information Theory Tools for Visual Computing.* Department of Mathematics and Computer Science, University of Marburg. Marburg, Germany. (co-organizer, presenter)
- *Lecture, Data Visualization.* Department of Mathematics and Computer Science, University of Marburg. Marburg, Germany. (collaborator)

ADDITIONAL INFORMATION

Driving licence Category B (cars)

Interests Technology, Research, Computer Science, Bioinformatics, Linux, FOSS, Science Fiction, Fantasy, The Matrix, Video games, Hiking