Aleksandar Anžel

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Born 06.08.1995.

in 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 — **Ph.D. 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
- <u>*Seminar,*</u> *Information Theory Tools for Visual Computing.* Department of Mathematics and Computer Science, University of Marburg. Marburg, Germany. (co-organizer, presenter)
- <u>*Lecture,*</u> *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