Aleksandar Anžel

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Born 06.08.1995.

in AAnzel

◯ AAnzel

🐦 AleksandarAnzel

🌐 https://aanzel.github.io

WORK EXPERIENCE

October 2021 – present

Data Scientist
eMedicals Healthtech, Frankfurt am Main
- Using analytical, statistical, and programming skills to collect, analyze, and interpret large medical and biological data sets. Managing algorithm development and using machine learning tools and statistical techniques to produce solutions to problems.

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