Edvin Teskeredžić

ABOUT ME

MoEE with a focus on Computer Science and Computer Engineering. Working as a GTA on the Faculty of Electrical Engineering Sarajevo, I have developed my interpersonal and communication skills, as well as my public speaking capabilities. Co-authoring several internationally published research papers has helped me learn to think both creatively and analytically, and to work as part of a team. My interests are wide, ranging from Software Engineering and IT, to HPC and Data Analysis. I am passionate about both software and hardware, especially FOSS. Currently interested in gaining more experience in the industry, as well as expanding my knowledge.

PERSONAL DATA

DATE AND PLACE OF BIRTH:	⊕ 15th of February 1997 | Offenbach am Main, GERMANY
ADDRESS:	⌂ /
PHONE:	☏ /
EMAIL:	@ eteskeredz1@etf.unsa.ba
WEB	⊕ eteskeredzic.github.io

EDUCATION

2019 - 2021 Master of Electrical Engineering (major: Computing and Informatics),
University of Sarajevo
Master thesis:
'Analysis and Application of Deep Learning Methods for Solving the Problem of Spatial Aliasing' (Advisor: Dr. Amila AKAGIĆ)
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2015 - 2019 Bachelor of Electrical Engineering (major: Computing and Informatics),
University of Sarajevo
Bachelor thesis:
'Overview and Application of Methods for Obstacle Detection and Avoidance in Unknown Environments' (Advisor: Dr. Amila AKAGIĆ)
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WORK EXPERIENCE:

08/2021 - Present Software Engineer - Social Explorer Inc.
www.socialexplorer.com

2018 - 2021 (Under)Graduate Teaching Assistant - Faculty of Electrical Engineering
www.etf.unsa.ba

GTA for the course **Fundamentals of Computer Networks** (since 2017)
GTA for the course **Computer Literacy** (since 2018)
GTA for the course **Digital Signal Processing** (since 2018/2019)
GTA for the course **Fundamentals of Database Systems** (since 2020)
GTA for the course **Artificial Intelligence** (since 2020)
Duties as GTA: Overseeing/grading laboratory work, writing lab/course materials

07/2018 Laboratory assistant - International University of Sarajevo
www.ius.edu.ba

Laboratory assistant for the IUS STEM Camp (Introduction to Data Science in R)

For questions or references, please contact me via e-mail.   Edvin Teskeredžić (signature)

Language Proficiency

ENGLISH:	🇬🇧	Fluent (with a TOEFL iBT score of 115 out of 120)
GERMAN:	🇩🇪	Fluent (with DSD certificate of C1 level of proficiency)
BOSNIAN:	🇧🇦	First language

Computer Skills

Programming:	C/C++, C#, Python, Java, R, Matlab
Web Frameworks familiar with:	Angular, React, Rails, Spring
Database:	PostgreSQL, Oracle SQL
Parallel Programming:	CUDA, OpenCL, VHDL
AI and Data Science:	NumPy, Pandas, Scikit-Learn, TensorFlow, Keras
Type Setting:	LaTeX, Open Office, MS Office, LibreOffice
Operating Systems:	MS Windows, GNU/Linux (Debian-based)
Others:	ROS, x86-64 Assembler (basics), Git, Bash, Zsh

Interests and Hobbies

INTERESTS:	AI, Embedded Systems, Computational Geometry, Graph Theory
POSITIONS:	Vice President, Embedded Systems Club ETF
HOBBIES:	Pub quizzes, Sci-Fi media

Publications

PAPERS

A. Arnautović and **E. Teskeredžić**, "*Evaluation of Artificial Neural Network Inference Speed and Energy Consumption on Embedded Systems*" 2021 20th International Symposium INFOTEH-JAHORINA (INFOTEH), East Sarajevo, Bosnia and Herzegovina, 2021, pp. 1-5, doi: 10.1109/INFOTEH51037.2021.9400658.
Available at: https://ieeexplore.ieee.org/document/9400658/

E. Teskeredžić and A. Akagić, "*Low Cost UGV Platform for Autonomous Indoor 2D Navigation and Map-Building Based on a Single Sensory Input*" 2020 7th International Conference on Control, Decision and Information Technologies (CoDIT), Prague, Czechia, 2020.
Available at: https://ieeexplore.ieee.org/document/9263975/

E. Teskeredžić, K. Karahodžić and N. Nosović, "*Comparison of the Non-Blocked and Blocked Floyd-Warshall Algorithm with Regard to Speedup and Energy Saving on an Embedded GPU*" 2020 19th International Symposium INFOTEH-JAHORINA (INFOTEH), East Sarajevo, Bosnia and Herzegovina, 2020, pp. 1-5.
Available at: https://ieeexplore.ieee.org/document/9066330/

LAB MODULES

Co-author of laboratory exercises for the course "*Artificial Intelligence*" on the bachelor's degree programme "*Computing and Informatics*". The modules cover fundamentals of Python, deep neural networks, expert systems, fuzzy logic, genetic algorithms, and intelligent software agents. Faculty of Electrical Engineering Sarajevo, 2021. Modules are available on the course page: https://c2.etf.unsa.ba/course/view.php?id=120

Co-author of laboratory exercises for the course "*Digital Signal Processing*" on the bachelor's degree programme "*Computing and Informatics*". The modules cover basics of signal analysis and digital image processing. Faculty of Electrical Engineering Sarajevo, 2020. Modules are available on the course page: https://c2.etf.unsa.ba/course/view.php?id=41

Co-author of laboratory exercises for the course "*Computer Literacy*" on the short-cycle study programme "*Software Development*". The modules cover the fundamentals of GNU/Linux, LaTeX, image and audio editing. Faculty of Electrical Engineering Sarajevo, 2018. Modules are available on the course page: https://c2.etf.unsa.ba/course/view.php?id=317

For questions or references, please contact me via e-mail.

Edvin Teskeredžić (signature)