



Mihaela Kristić

Nationality: Croatian **Date of birth:** 13/07/1998

Phone number: (+385) 919472339 **Email address:** mihaela.kristic@uniud.com

Home: 20000 Dubrovnik (Croatia)

ABOUT ME

I am a PhD student on Faculty of electrical engineering and computing at University of Zagreb. I am researching accessibility in new technologies, digital accessibility, and digital inclusion. My work focuses on adaptive interfaces, assistive technologies, and inclusive digital environments. I have experience in developing and evaluating accessible digital solutions, with a strong emphasis on usability and user experience for people with disabilities. My work also focuses on developing accessible serious games. In addition to academic research, I actively join projects aimed at improving accessibility standards and policies.

EDUCATION AND TRAINING

-

School of tourism and hospitality [31/08/2013 – 30/05/2017]

Address: Župska 2, 20000 Dubrovnik (Croatia) | Website: <http://ss-turisticka-ugostiteljska-du.skole.hr/skola>

University Bachelor in Computer Engineering (univ. bacc. ing. comp.)

University of Dubrovnik [30/09/2018 – 29/09/2021]

Address: Ćira Carića 4 Ul. branitelja Dubrovnika 29, 20000 Dubrovnik (Croatia) | Website: <https://www.unidu.hr/> |
Level in EQF: EQF level 6

Master of Computer Engineering

University of Dubrovnik [30/09/2021 – 30/09/2023]

Address: Ćira Carića 4 Ul. branitelja Dubrovnika 29, 20000 Dubrovnik (Croatia) | Website: <https://www.unidu.hr/> |
Level in EQF: EQF level 7

PhD student

University of Zagreb Faculty of Electrical Engineering and Computing [01/03/2024 – Current]

City: Zagreb | Country: Croatia | Website: <https://www.fer.unizg.hr/en> | Level in EQF: EQF level 8

WORK EXPERIENCE

Web developer

Klik Information Technologies [05/03/2021 – 30/09/2023]

City: Dubrovnik | Country: Croatia

Independent development of customized websites:

- Creation of customized websites tailored to the specific requirements of clients.
- Use of programming languages and frameworks for both front-end and back-end development.

Business Accounting System Development:

- Developed a comprehensive business accounting system to meet the financial requirements of the client companies.
- Ensured the accuracy, security and efficiency of the system in managing financial data

Web Server Maintenance:

- Managed and maintained web servers to ensure optimal performance and security.

Full-Stack Development:

- Developed front-end and back-end based on design specifications.
- Ensuring seamless integration of design elements with the functionality of the websites and systems.

Collecting data for Project on Princeton University

University of Dubrovnik [30/09/2019 – 30/08/2020]

City: Dubrovnik

- Collecting required data from Financial agency about pre-bankruptcy proceedings
- data customization for database
- working with functions for various results in Microfost Excel
- study of legal documents
- learning about pre-bankruptcy proceedings

University assistant

University of Dubrovnik [04/12/2023 – Current]

City: Duborvnik | Country: Croatia

- Assisting professors in preparing lectures, presentations, and course materials.
- Conducting literature reviews and gathering research materials for academic projects
- Assisting in data collection, analysis, and interpretation for ongoing research initiatives
- Supporting laboratory activities and assisting students with learning contents

LANGUAGE SKILLS

Mother tongue(s): Croatian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

German

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Spanish

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Web programming

HTML / CSS / JavaScript / PHP / Web Development / SASS(SCSS) / MySQL / API Intergration / Bootstrap / Linux Server, Cpanel / Knowledge of AJAX, JQuery, JSON, XML / Git

Programming

C, C++c C# / Object-Oriented Programming / MATLAB / GIT (GitHub) / 2D ,3D Unity / Programmin language PYTHON / SQL/MYSQL / Jupyter Notebook (Anaconda) / Java Programming language / Spyder - Anaconda / Android Studio / Linu x / GitBucket / Visual Studio / Visual Studio Code / SQLITE / Poznavanje programskog jezika Asembler

Planning

Enterprise Architect

Basic computer skills

Microsoft Office

Machine learning

Weka / Python Anaconda Environmnet

Microprocessors

Raspberry Pi / Arduinoo

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B

PROJECTS

[01/02/2022 – 08/04/2022]

INNOSID

An Erasmus+ project founded by University of Zagreb, Faculty of Electrical Engineering and Computing. it included 4 universities and international teams of students and profesors. The goal of this blended mobility hackathon was to develop an application to improve the social inclusion of people with disabilities. In a team of 4 students, we developed an application called ShoppingEyes. It is an Android-based application using machine learning technology to recognize euro banknotes and reading them for people with visual disabilities.

Link: <http://sociallab.tel.fer.hr/innosid/>

[07/05/2023 – 12/05/2023]

BIPCLUSION

An Erasmus+ blended intensive program that involves project work in student teams with the goal of designing software for social inclusion. The physical part of this blended program was held in Valencia, Spain, where each team had to present their research findings.

[01/06/2023 – 31/08/2025]

Play2Green

An EU-funded project, which included a blended mobility hackathon held in Dubrovnik from September 17, 2023, to September 22, 2023. The goal is to create a prototypes of a serious games to raise awareness of environmental issues and combat climate change. The prtotype was created in international teams of 5 students using various platforms for collaboration, version control and communication. The project promoted includsion and use of Universal design guidelines.

Link: <https://sociallab.fer.hr/play2green/>

[20/06/2024 – 30/11/2024]

Accessibility for people with disabilities

Development of a new website for "**Pristupačni prozor u svijet informacija o ponudama telekom-operatora i HŽPP-a!**", an informational platform about the offers of telecommunications operators and HŽPP. The project was carried out in collaboration between the **Faculty of Electrical Engineering and Computing (FER), University of Zagreb**, and the **Croatian Regulatory Authority for Network Industries (HAKOM)**.

Link: <https://usluge.ict-aac.hr/pristupacni-web-2/index.php>