



ANDRIJANA MIKOVIĆ

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Work experience

MICROSOFT DEVELOPMENT CENTER SERBIA INTERNSHIP

March 2022 – May 2022 [React.js, D3.js]

I was a part of the Maps team, and with them worked on the existing web application for modifying maps data.

Education

SCHOOL OF ELECTRICAL ENGINEERING UNIVERSITY OF BELGRADE

Software Engineering

2023 – 2024

Master Academic Studies.

Computer Engineering and Information Technology

2019 – 2023

Bachelor studies. A strong foundation in computer engineering, programming, and information technology.

FIRST GRAMMAR SCHOOL KRAGUJEVAC

2013 - 2019

I went to class for gifted students in Math and Science and finished it with honors.

Experience

STUDENT TEACHING ASSISTANT

2023 - 2024

Helping professors in organizing laboratory exercises by marking homework and evaluating younger students in a course of Artificial Intelligence.

EESTEC LC BELGRADE

2020 – 2024

Improving soft skills, organization and working in a team. Logistics team member for JobFair every year from 2020-2022. Volunteer at Data Science and AI conference – DSC Europe 23. As a part of the IT team, I worked on the Eestec website with other members.

STUDENT DELEGATE

2021-2023

Represented the needs and wants of the students in my module, to academics and other university employees so that they can be fulfilled.

STUDENT MENTOR

2020-2021

Helped younger students that enrolled to university, as mentor giving them advice and directions based on my personal experience.

PETNICA SCIENCE CENTER

2017–2019

Worked on a few projects, Laser communication (published), Detecting lymphoblast cells from an image and classification and other smaller projects in IT and electronics.

<div>Projects</div>	<div> <div> Spooky Author Identification 2024 [<i>Python</i>] Natural language processing problem, solved using machine learning algorithms, and neural networks. </div> <div> Diabetes detection 2023 [<i>Python</i>] I conducted a diabetes detection project using a database of 100,000 samples, addressing class imbalance with under-sampling and ADASYN techniques. Classification done using KNN, Logistic Regression, and Decision Trees. </div> <div> Micro-Java Compiler 2023 [<i>Java</i>] Made a simple compiler for Micro-Java. JFlex and Cup tools were used for implementing lexical and syntactic analysis. </div> <div> Assembler, Emulator and Linker 2023 [<i>C++</i>] Made system programing toolchain, in C++. For an abstract architecture. That works on Linux. </div> <div> Spacer shooter game 2023 [<i>Python</i>] As I part of a team in hackathon, we made a hyper casual game in python. The theme of competition was choose one, so we had different weapons and enemies, to choose from. </div> <div> P2-keyboard 2023 [<i>VHDL</i>] Synthesis and verification for reading P2 keyboard codes using FPGA cyclone iii board. </div> <div> Library MEAN web application 2022 [<i>TS-Angular</i>] Web application for library users. Made with MEAN framework and mongoose database. </div> <div> Multi-threading kernel 2021-2022 [<i>C++</i>] Thread management subsystem, with time-sharing, context switch, threads, and semaphores. For x86 CPU and RiscV architecture. </div> </div>
<div>Skills</div>	<div> PROGRAMMING: C, C++, Java, Python, React, Angular, JavaScript, SQL, VHDL, Pascal, Matlab LANGUAGE: English, Serbian (native) </div>
<div>Communication</div>	<div> Through non-work experiences, I actively cultivated and enhanced my soft skills, particularly focusing on communication, teamwork, and mentorship. Engaging in various projects allowed me to develop effective collaboration within a team setting </div>