



Faris Karkelja

## CONTACT

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## ABOUT ME

Passionate and highly organized computer science student with a solid foundation in software development, database management, and system design. Experienced in analytical thinking and collaborative projects, with the ability to perform effectively in dynamic environments. Motivated to contribute innovative solutions and grow together with a talented and supportive team.

## EDUCATION AND TRAINING

- OCT 2023 – CURRENT** Sarajevo, Bosnia and Herzegovina  
**Bachelor of Information Technology** International Burch University
- JAN 2025 – JUN 2025** Västerås, Sweden  
**Bachelor of Computer Science** Mälardalen University, Erasmus+
- SEP 2019 – JUN 2023** Sarajevo, Bosnia and Herzegovina  
**High School Diploma, General Studies** Gymnasium Dobrinja

## PROJECTS

- IBO & CO**  
Developed an official pharmacy dynamic web application with integrated e-commerce capabilities, a secure user authentication system, and an online ordering and payment workflow with in-store pickup
- Google Cloud AI Startup Factory**  
Collaborated with a team to build a smart traffic pollution management system based on AI, integrating real-time data analysis and predictive modeling to provide actionable insights for improving urban air quality
- RISC-V Instruction Set Design**  
Implemented a custom 32-bit CPU instruction set based on the modular RISC-V architecture, implemented a fully functional simulation in Logisim, and tested it using RARS with sample assembly programs
- Craftify**  
Designed comprehensive wireframes for an AI production planner for craftsmanship, creating intuitive workflows that help craftsmen manage orders, optimize schedules, track inventory, and improve overall productivity
- Dance Portfolio Website**  
Created a responsive portfolio highlighting a professional dance career, featuring project listings and a dynamic gallery

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Bosnian | Croatian | Serbian

**Other language(s):**

**English**

Listening B1

Spoken production B1

Reading B1

Spoken interaction B1

Writing B1

**German**

Listening B2

Spoken production B2

Reading B2

Spoken interaction B2

Writing B2

## SKILLS

### COMPUTER LITERACY

Microsoft Office Suite (Word, Excel, PowerPoint) | Google Workspace (Docs, Sheets, Slides)

### WEB DEVELOPMENT

HTML | CSS | JavaScript | PHP | Git | GitHub

### DATA ANALYSIS

SQL | NoSQL

### UI / UX DESIGN

Figma | Balsamiq

### PROGRAMMING LANGUAGES

C++ | Java | C | Python

## DRIVING LICENCE

● **Driving Licence:** B

## WORK EXPERIENCE

● **Meru Yoga and Health Association** Trpanj, Croatia

### Coordinator of Volunteers

Jul 2021 – Current

Co-lead a summer camp, organizing workshops and activities to develop various skills, promoting a healthy lifestyle without mobile devices, and recruiting and guiding future volunteers to create a supportive environment

● **Dance Studio Aster** Sarajevo, Bosnia and Herzegovina

### Professional Dancer

Aug 2019 – Current

Performed in a wide range of live and televised events, including international dance showcases, gala performances, fashion and beauty shows, and community engagements throughout Bosnia and Europe

● **BH Telecom** Sarajevo, Bosnia and Herzegovina

### Information Technology Intern

Dec 2025 – Feb 2026

Gained hands-on experience across multiple IT domains including software development, telecommunications systems, server administration, networking, and enterprise communication technologies

● **Union Bank d.d.** Sarajevo, Bosnia and Herzegovina

### Database Developer Intern

Sep 2025 – Oct 2025

Contributed to process improvement by enhancing database efficiency in key areas and developing internal applications, gaining practical skills in application development and operations

● **IDK Studio d.o.o.** Bihać, Bosnia and Herzegovina

### Full Stack Developer Intern

Sep 2025 – Oct 2025

Developed "Unwind", a full-stack movie library platform with personalized Watchlist and Watched sections, integrated trailers, and an intuitive interface designed to enhance user experience

● **International Burch University** Sarajevo, Bosnia and Herzegovina

### Laboratory Demonstrator

Oct 2024 – Jan 2025

Assigned course: Fundamentals of Programming

- Guided students in Python coding and debugging, and reinforced lecture and laboratory concepts through practical demonstrations

● **International Burch University** Sarajevo, Bosnia and Herzegovina

### Laboratory Demonstrator

Oct 2024 – Jan 2025

Assigned course: Foundations of Web Development

- Assisted students in mastering the core web development fundamentals and facilitated the successful delivery of course projects

## HONOURS AND AWARDS

**DEC 2024** Federal Ministry of Culture and Sports

### ● **Plaque for Outstanding Contribution to the Realization of the European Heritage Days**

Modern Dance Association of Bosnia and Herzegovina

### ● **First Place in the National Dance Competition**

Years: 2021, 2022, 2023, 2025

Modern Dance Association of Bosnia and Herzegovina

### ● **First Place in the International Dance Competition**

Years: 2021, 2022, 2023

## VOLUNTEERING

**APR 2024 – JUN 2024** Sarajevo, Bosnia and Herzegovina

### ● **International Burch University**

Co-authored a Python programming book, developing and reviewing functions, problem sets, and tutorials to improve learning outcomes for students

**APR 2024 – MAY 2024** Loppiano, Italy

### ● **New Humanity NGO**

Led dance workshops under the HeARTmony project, instructing techniques, promoting collaboration, and driving participant engagement

**APR 2024 – MAY 2024** Sarajevo, Bosnia and Herzegovina

### ● **International Burch University**

Collaborated with a team of students to create an educational Python programming brochure designed to simplify key concepts and support student learning

**JAN 2024 – JAN 2024** Sarajevo, Bosnia and Herzegovina

### ● **Sarajevo Salsa Congress**

Coordinated workshop logistics, collaborated with international instructors, and managed merchandise sales and event coordination

**JAN 2023 – JAN 2023** Sarajevo, Bosnia and Herzegovina

### ● **Sarajevo Salsa Congress**

Prepared workshop areas, supported international instructors, and ensured smooth event activities, including merchandise sales and attendee assistance

**AUG 2022 – SEP 2022** Montecatini Terme, Italy

### ● **New Humanity NGO**

Conducted dance workshops within the HeARTmony project camp, contributing to participant learning, teamwork, and creative development

**JUL 2020 – JUL 2020** Trpanj, Croatia

### ● **Meru Yoga and Health Association**

Supported event planning and execution, guided participants through scheduled activities, and assisted with various operational and technical responsibilities

## CERTIFICATIONS

**MAY 2019**

### ● **Web Programming**

Issued by: Association of Mathematicians of the Sarajevo Canton & Logosoft

**DEC 2018**

### ● **C++ Intermediate**

Issued by: Association of Mathematicians of the Sarajevo Canton & Logosoft

**MAY 2018**

### ● **Introduction to C++**

Issued by: Association of Mathematicians of the Sarajevo Canton & Logosoft