

# Ana Zorić

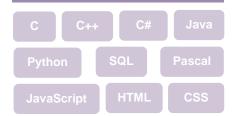
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# **Programming languages**



# Competitions

- 2nd place in Eestech Challenge Hackathon 2023
  - o Topic: mobile game development
  - o RPG hyper casual game made in Godot
- ✓ 2<sup>nd</sup> place in OpenIT GameJam Hackathon 2022
  - o Topic: year 2100
  - o RPG game made in Godot
- √ 3<sup>rd</sup> place in SUMA Hackathon 2022
  - o Topic: Slot Machine
  - Java desktop app

### Volunteering

✓ EESTEC – Electrical Engineering STudents' European AssoCiation (March 2021 present)

#### Education

- ✓ Faculty of Electrical Engineering, University of Belgrade Department of Software Engineering (2020 – Present)
- √ 4<sup>th</sup> year of studies
- ✓ GPA of 9.68

## **Work history**

- ✓ Internship at Microsoft Development Center Serbia (MDCS)
  - November 1<sup>st</sup> 2022 February 28<sup>th</sup> 2023
- ✓ Internship at Microsoft Development Center Serbia (MDCS)
  - November 15<sup>th</sup> 2023 March 15<sup>th</sup> 2024

## **Projects**

- CityHopper group project: Web App based on BlaBla Car (Python, Django, SQL)
- ✓ Operating systems: simple kernel for RISC-V processor (C, C++, ASM)
- ✓ Operating systems: efficient memory allocation algorithm for RISC-V processor based on Buddy and Slab allocation (upgrade of the previous project) (C, C++)
- ✓ Program compilers: Compiler for microjava (Java)
- ✓ Dockerized e-commerce web app (Flask + Ethereum for payment + Spark server for big data processing)
- ✓ REST API for web store consisting of client app, server and 3 subsystems (Java, MySQL Server, JMS and JPA for intersystem communication)
- Desktop app for delivery service with RT order tracking (Java, JDBC, MSSQL Server)
- ✓ PGP security simulator AES, DES for encryption; El Gamal, DSS for digital signature (Python)

#### **Skills**

- ✓ Proficient knowledge of algorithms and data structures
- ✓ Proficient knowledge of Object oriented programming in C++, Java, C# and Python
- Experienced in concurrent and distributed programming
- ✓ Intermediate knowledge of Machine Learning and Neural Networks (Python, Matlab)
- ✓ Experienced in backend development (Django, Flask, MEAN, Springboot)
- ✓ Experienced in Web frontend development (Vue.js, Angular)
- Experienced in database modeling (SQL, MYSQL, MSSQL, MongoDB)
- Experienced in test automation (Selenium, Selenium Web Driver, JUnit4, JUnit5)
- ✓ Proficient knowledge of design patterns and modeling (UML)
- ✓ Experienced with Git
- ✓ Experienced with Docker
- ✓ Advanced in work with Linux
- ✓ Familiar with dynamic programming
- ✓ Languages: Fluent in English (level C1), Spanish (level B2)