

Petar Deljanin

SOFTWARE ENGINEER

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About me

I am an undergraduate student of computer science. I am looking for cross-cultural positions in the field of computer science. I want to develop my full-stack software development, teamwork, and leadership skills. I want to broaden my perspective of the field, to deepen my knowledge in it, and to obtain professional experience. I enjoy customizing my development environment and any opportunity to express my creativity.

Skills

Languages JAVA, C#, PHP, HTML, CSS, JavaScript, Python, R, C, jQuery, SQL, Bash

Frameworks Git, SASS, React.js, THREE.js, GSAP, CodeIgniter, Ajax, Node.js, Bootstrap

Multimedia Photoshop, Illustrator, Kdenlive, Inkscape, Figma

Office productivity Word, Excel, PowerPoint, Docs, Sheets, LaTeX, Trello

Education

Bachelor of Science in Computer Science

Koper, Slovenia

UP FAMNIT (UNIVERSITY OF PRIMORSKA; FACULTY OF MATHEMATICS, NATURAL SCIENCES AND INFORMATION TECHNOLOGIES)

Oct. 2019 - Sep. 2022

- Diploma thesis: "Developing a genetic algorithm for optimizing traffic network topologies by using an agent-based simulator"

Electrical technician of Information Technologies

Belgrade, Serbia

ITHS (INFORMATION TECHNOLOGY HIGH SCHOOL)

Sep. 2015 - Jul. 2019

- Final project: "Turbo Wash, car washing appointment manager"

Projects

My 3D portfolio website

Koper, Slovenia

SOFTWARE ENGINEER & DESIGNER

Aug. 2022 - Aug. 2022

- I designed and developed my 3D portfolio website. It shows my skills, my projects, and it enables people to get in touch with me quickly.
- I developed a 3D section using THREEJS, which I then combined with React and SASS to make a reusable and easily changeable project presentation.
- I animated the website and made the horizontal scrolling project presentation section using GSAP.
- Used React.js with THREE.js, GSAP, and Email.js.

Optimization of traffic network topologies with genetic algorithms

Koper, Slovenia

SOFTWARE ENGINEER

Oct. 2021 - Jul. 2022

- We developed a Road network agent-based traffic simulator. It simulates the road network traffic of Koper. I developed the construction of the intersections.
- I developed a Genetic Algorithm for optimization of the road network. By changing the types of intersections I was attempting to improve traffic flow.
- Used Java with libraries for the project and R for thesis graphs.

My Fridge web app

Koper, Slovenia

SOFTWARE ENGINEER & TEAM LEAD

May. 2022 - May. 2022

- GDSC (Google Developer Student Clubs) Hackaton
- We developed the My Fridge web application for minimizing food waste. The application proposes meal recipes the user can make based on what he has in his fridge.
- I developed a web crawler which obtains recipes and ingredients from an other website at the rate of ~ 4 milliseconds per recipe.
- The team composition was cross-cultural, and I was the team leader responsible for the organization.
- Used vanilla PHP, MySQL and XAMPP Server with HTML, CSS, JavaScript and Bootstrap 4. As well as JAVA for the web crawler.

My Barber

Koper, Slovenia

SOFTWARE ENGINEER & TEAM LEAD

Feb. 2022 - Jun. 2022

- My Barber helps foreigners and tourists with finding a barbershop in their area and with reserving appointments. It helps barbershops with managing their services, appointments and the locations.
- I developed the front-end and appointment booking parts of the website.
- As a team lead I had to create the presentation and to present the project.
- Used PHP with CodeIgniter, MySQL and XAMPP Server with HTML, CSS, JavaScript and Bootstrap 5.
- YouTube demo

D&A Coaching

Koper, Slovenia

SOFTWARE ENGINEER

Mar. 2020 - Jun. 2020

- D&A Coaching is a website which helps the customers in acquisition of necessary information about certain topics connected to fitness and coaching.
- I developed a forum with custom topics, newsletter subscription and support emailing service.
- Used HTML, CSS, Bootstrap 4, JavaScript, Node.js and Ajax.
- YouTube demo

Turbo Wash

Koper, Slovenia

SOFTWARE ENGINEER

May. 2019 - Jun. 2019

- Developed the Turbo Wash, desktop application. It helps people with booking different types of car washing services and with contacting the owners of the business through an email service.
- Used C# with windows forms for the app and SQL server for the database management.

Miscellaneous

Spoken Languages Serbian (Native), English, Slovenian, Croatian, Bosnian, Montenegrin.

Design I have designed numerous logos, backgrounds, websites and cover photos for side projects.

Hobbyist game platoon leader I led platoons of up to 48 people to conquer territories in a video game called PlanetSide 2.

Carpentry firm assistant I learned how a firm operates, and I have assisted my dad in hard physical and logical work.

Interests

- **Technical** I want to learn how an entire full stack works. Interested in Spring Boot, Flask, and JS frameworks. Furthermore, I would like to learn more about ethical hacking and Cybersecurity in general.
- **Personal** In my free time I like to learn new things by going down rabbit holes on the internet for all sorts of topics I'm interested in. I like to read books on self help, spirituality and computer science. I like to implement practical advice of these books in real life scenarios and to keep growing as a person. I enjoy calistenics and martial arts as they keep my body in shape and my mind sharp.

Contact References

- **Aleksandar Tošić** Assistant Professor, FAMNIT, University of Primorska, aleksandar.tosic@upr.si.
- **Jordan Aiko Deja** Director, UX Philippines, jordan@uxph.org.
- **Zoran Lončarević** High School Professor, ITHS, Comtrade, Belgrade, zoran.loncarevic@vlatacom.com.
- **Jernej Vičič** Professor, FAMNIT, University of Primorska, jernej.vicic@upr.si.