PAVLE ŠARENAC

Software Engineer

Belgrade, Serbia

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LINKS

LinkedIn, GitHub

PROFILE

Energetic software engineering student with hands-on experience gained during the internship at BlackRock.

Passionate about knowledge sharing as evidenced by the role of the undergraduate teaching assistant.

EXPERIENCE

Software Engineer Intern, BlackRock .... Jun 2023 — Aug 2023

Belgrade

Along with other interns, I have worked on a very important project that will serve as a template for the development of other functionalities in the future. Inside of that project, we have successfully implemented a new feature that will very likely go into production because it automates a tiresome process that was previously done manually.

Undergraduate Teaching Assistant, School of Electrical Engineering at University of Belgrade .... Mar 2023 — Present

Belgrade

I am helping my university in lecturing, evaluating and grading students, as well as organizing and monitoring laboratory work, practical and theoretical exercises and exams.

EDUCATION

School of Electrical Engineering, University of Belgrade .... Oct 2020 — Present

Belgrade

Bachelor's Degree, Software Engineering

GPA: 8.80/10.00

Third Belgrade Grammar School .... Sep 2016 — Jun 2020

Belgrade

High School, Natural Sciences

GPA: 5.00/5.00

SKILLS

Back-End Web Development	Object-Oriented Programming
ASP.NET Core	Operating Systems
Front-End Web Development	Problem Solving
Software Design Patterns	Communication Skills
Algorithms & Data Structures	Presentation Skills
Microservices Architecture	Public Speaking

PROJECTS

"MajstorNaKlik" Web Application .... Mar 2023 — Jun 2023

Belgrade

A web application that enables clients to effortlessly find the handyman that they need. This was implemented as a team project and we went through all phases of a software development cycle from writing documentation and coding a prototype, to drawing various diagrams, implementation and testing. Front-end implemented in HTML, CSS and JavaScript. Back-end implemented in CodeIgniter.

Kernel For A Multithreaded Operating System With Time Sharing .... Aug 2022 — Aug 2022

Belgrade

Small, but completely functional kernel for a multithreaded operating system with time sharing. This kernel is made for RISC-V processor architecture. In this project I have implemented a memory allocator, threads, scheduler, semaphores and asynchronous context switch (interrupts can be caused either by timer or by keyboard). Implemented in C/C++ and Assembly.

Computer Modeling of Physical Phenomena .... Mar 2021 — Jun 2021

Belgrade

Software implementation of mathematical and physical models developed for certain physical phenomena, which can be, due to phenomenological similarities, adapted and applied to the variety of phenomena in topics covered not only by physics, but also other mathematical and engineering sciences, as well as social sciences. Simulated systems were from following fields: Electrical Engineering, Medicine, Biology, Economy. Implemented in Python.

VOLUNTEERING

Student Mentor, School of Electrical Engineering at University of Belgrade .... Oct 2021 — Sep 2022

Belgrade

I helped a group of six first-year students to navigate through life at university by giving them valuable advice. They have all rated me with highest grades, so because of that, this is valued as an internship at my university.

Class Representative, Student Parliament of the Third Belgrade Grammar School .... Sep 2019 — Jun 2020

Belgrade

I attended meetings of the student parliament with a few other students on behalf of my class.

Tutor, AGENDA Center for Family Support .... Jul 2019 — Aug 2019

Belgrade

I worked on program "In Focus" to provide tutorial support in learning for Roma Students onsite at a local settlement by teaching them Math and Serbian Language.

LANGUAGES

English .... *Highly proficient*   Serbian .... *Native speaker*

French .... *Very good command*