Gergelj Kiš

(+381) 655828830

Email address: kgerg13@gmail.com

Github: : www.github.com/gregVader

Address: Vuk Karadžić 84, 21242 Budisava (Serbia)

ABOUT ME

I am a student majoring in computer science looking for internships to get work experience.

WORK EXPERIENCE

Assistant to the Teaching Assistant

Faculty of Technical Sciences [02/2019 – 06/2019]

City: Novi Sad

Country: Serbia

In the 4th semester of my studies I was an assistant to the TA on the subject Computer Architecture.

During this period I learned the methodology of the Computer Architecture course, the methods used to test and check the students' knowledge. Every class had a period of individual work when students had to find solutions for specific problems. My main activity was to guide them in a way that would eventually lead them to a proper solution. If they failed to do so, I would help them by answering specific questions and giving further instructions. One of my responsibilities was awarding the students who did well during the course by giving them a positive mark after each class which was later taken into consideration when they took the final exam.

EDUCATION AND TRAINING

Multimedia Technician

Mihajlo Pupin Electrotechnical School [2013 – 2017]

Address: Futoška 17, 21000 Novi Sad (Serbia)

http://www.etspupin.edu.rs/

Computing and Control Engineering

Faculty of Technical Sciences [2017 – Current]

Address: Trg Dositeja Obradovića 6, 21102 Novi Sad (Serbia)

www.ftn.uns.ac.rs

Android Developer course

Institute RT-RK [08/07/2019 – 12/07/2019]

Address: Novi Sad (Serbia)

https://www.rt-rk.com/

LANGUAGE SKILLS

Mother tongue(s):

Hungarian

Other language(s):

Serbian

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

DIGITAL SKILLS

Programming languages

Java / Python / SQL / C++ / Matlab / Javascript / C / C-Sharp

Multimedia

Adobe Photoshop / Adobe Premiere Pro

NETWORKS AND MEMBERSHIPS

Mensa Serbia

[2020 – Current]

https://www.mensa.rs/en/

HOBBIES AND INTERESTS

Recreational swimming

Photography/Videography

In my free time I like filming documentaries and editing short videos.

PROJECTS

Android Boardgame - TripleTacToe

[05/08/2019 – 25/08/2019]

TripleTacToe is a simple 2 player Android game which follows the rules of the extended version of the notorious game called Ultimate Tic-Tac-Toe. The rules can be found here: https://en.wikipedia.org/wiki/Ultimate_tic-tac-toe

This is one of my first extracullicular projects which taught me the basics of Android programming in the Java programming language and xml-like UI design in Android.

Student Service

[01/10/2019 – 15/01/2020]

A desktop program written in Java which can be used by faculty clerks to keep track of students' and faculty personnel's information.

In this project I was introduced to a programmatic way of graphical user interface design through Java Swing library. I learned several widget and user control types, as well as data storing which was implemented as a file-based database. The project served as an introduction to OOP in the Java programming language. A team of 2 fellow students worked on this project.

Local HTML search engine

[15/01/2020 – 15/02/2020]

A simple local file query application written in Python. As a result of the project I learned multiple computational algorithms, algorithm complexity and several data structures (graphs and trie trees are used in this project). Ranking of the resulting documents are done with a custom page rank algorithm. Reversed polish notation and evaluation is part of the advanced search mechanism which is a complex query combined with logical operators and brackets.

PSO Calculator & Simulator

[20/01/2020 – 10/02/2020]

A bundle of two applications I created for the paper "Nature inspired optimization solutions". The first one is a Python application for computing a specific testing function's extrema in batch. The program implements the particle swarm optimization algorithm and produces plotting images in the meantime. The other application is implemented in Javascript and available as a website at https://gregvader.github.io/pso-algoritmus-js/. The application is for demonstrating purposes only as it's plotting every iteration in real-time in order to show the movement of every particle participating in the algorithm.

Healthcare Management System

[02/03/2020 – 29/06/2020]

Desktop application written in C# which can be used in a hospital information system. In this project I learned how to use UML diagrams and the importance of clean coding. I learned the advanced concepts of OOP through several design patterns and principles which are applied in the code solution. This was my first project involving 4 fellow students, so as a team we used a version control system. We learned the basics of github version control and managed multiple branches throughout the project.

Apartment Booking System

[03/08/2020 – 15/09/2020]

Web application consisting of a Java server (Spark framework) and a Javascript client applications (Vue.js). In this project I learned the fundamental concepts of web development, server-side applications and client-side software solutions. I learned how HTTP protocol works, how to communicate with REST endpoints, everything about JSON objects and Javascript: DOM manipulation, jQuery and a Javascript framework in particular: Vue.js. Additionally CSS styling is also used in this project.

A team of two fellow students worked on this project.

Pharmacy Information System

[05/01/2021 – Current]

This project implements an information system used by multiple pharmacies. It's a full stack web solution consisting of a PostgreSQL database, Java Spring Boot server application and Vue.js client application. In this project I learned how object-relational mappers work, the ease of use of a software framework such as Spring Boot and basic DevOps build-test-deployment pipeline with Travis CI and Heroku. The most fascinating part of this project has been SonarCloud - a static code analyzer - which is incorporated in the DevOps pipeline.