Dina Sergiu

dina_sergiu@yahoo.com | 0727.574.806 github.com/sergiu-dina | sergiu-dina-portfolio.netlify.app | linkedin.com/in/sergiu-dina

EDUCATION

POLYTECHNIC UNIVERSITY OF BUCHAREST

FACULTY OF ELECTRONICS
TELECOMMUNICATIONS AND INFORMATION
TECHNOLOGY

SPECIALIZATION

COMPUTERS AND INFORMATION
TECHNOLOGY
2017 - present | Bucharest, Romania

COLEGIUL NATIONAL GRIGORE MOISIL

2013 - 2017 | Bucharest, Romania

SKILLS

TECHNICAL SKILLS

Proficient with:

C# • .NET Core (EF, WPF, WCF) • ASP.NET Core MVC • JavaScript • HTML • CSS • Bootstrap SQL Server

SOFT SKILLS

Outstanding:

Bilingual Communicator (English, Romanian) Public Speaker • Leader • Motivator

EXPERIENCE

SIE | SOFTWARE DEVELOPMENT INTERN

June 2020 - Sep 2020 | Bucharest, Romania

- Developed software applications for PC, learned about algorithms, cryptography schemes, client-server architecture, databases
- Secured the communication between a system's users

MARCTEL S.I.T. | ELECTRONICS ENGINEER INTERN

June 2019 - Sep 2019 | Bucharest, Romania

- Diagnosis under laboratory conditions of a telecommunication system's elements identified to be malfunctioning, the recovery of those elements, testing during the repair process and the final testing of the equipment/module/repaired unit
- Diagnosis and repair of optical fiber welding equipments and the functional verification of the equipments.

TECHNICAL PROJECTS

BUG TRACKER | Website | Github

October 2020 | Bucharest, Romania

- Built a bug tracking system that lets you keep track of software bugs in development projects
- A role based security system was implemented to create permission based roles. The roles of Admin, Project Manager, Developer and Submitter restrict what the user can see and do
- The application was built with ASP.NET Core, MVC and C#. The front end was developed with HTML, JavaScript and Bootstrap. The database was built with SQL Server and the app is hosted on Azure.

SORTING VISUALIZER | Website | Github

September 2020 | Bucharest, Romania

- Built JavaScript, CSS and HTML application for visualizing sorting algorithms
- Implemented Merge Sort, Quick Sort, Selection Sort, Insertion Sort and Bubble Sort

SECURE CHAT APP | Github

August 2020 | Bucharest, Romania

- In this project I created an app for secure communication, using a client-server architecture
- The programming language used for this project is C# and in order to create the app, I used different .NET frameworks, such as WCF, WPF and EF
- The communication between server and client is of type TCP full duplex and it is secured using AES (Advanced Enryption Standard). For the key exchange between clients I used Diffie-Hellman with elliptic curves, more precisely Curve25519

VOLUNTEERING

SCOALA DE VALORI I VOLUNTEER

2014 - 2017 | Bucharest, Romania

- Led a team of 20 volunteers at the "The Color Run Night" September 2015 event, coordinating the Support Team of the event
- I have been involved in different stages of organizing an event, such as: fundraising, searching sponsors and creating the schedule for a large number of volunteers
- Helped, as a volunteer, at the planning and organization of the following events: The Color Run - September 2014, The Color Run - April 2015, Wings for Life World Run - 2015, The Color Run - April 2016, Semimaraton Gerar - January 2016
- Participation in the Youth Run Romania program, at the end of which I ran a half-marathon at the Bucharest Marathon 2015.

CERTIFICATIONS

PSYCHO-PEDAGOGICAL MODULE (DIDACTIC MODULE LEVEL I) ECCPR (PROGRAMMING COMPETENCE CERTIFICATE EXAM)