Dina Sergiu

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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 | 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 witch I ran a half-marathon at the Bucharest Marathon 2015.

CERTIFICATIONS

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