Costi-Daniel Dobrescu

Nationality: Romanian   **Date of birth:** 23/10/2001   **Gender:** Male

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in **LinkedIn:** https://www.linkedin.com/in/costi-daniel-dobrescu-4bb467245

📍 **Work:** Timișoara (Romania)

WORK EXPERIENCE

System Test Engineer - internship
SC Continental Automotive Romania SRL [20/03/2023 – Current]

City: Timișoara | **Country:** Romania

Field: Engineering
Company description: Automotive company

Responsibilities:
- Analyzing system requirements, writing test cases and executing test plans for the functionalities responsible for access in the car
- Preparing the automated systems (automatic test benches) before each validation testing (software flashing on BCM, performing configurations, updating tools and other software used, fixing test bench problems when needed)
- On each testing validation I run a different test suit on each automatic test bench
- Retesting if needed and reporting the problems found
- Updating and configuring the tools used in the testing process
- Ensure system maintenance (both hardware and software)
- Programs and tools used: Vector CANoe, ODIS, DOORS, Eclipse IDE, Appium, Visual Studio Code
- Using Python scripting language for automation (scripts used in automation process / test procedures)

EDUCATION AND TRAINING

Software Engineering Master, first year
West University of Timisoara [30/09/2024 – Current]

City: Timisoara | **Country:** Romania | **Website:** https://www.uvt.ro/

Automation Engineer
Automation and Computers, The Polytechnic University of Timisoara [21/09/2020 – 20/06/2024]

Address: Vasile Pârvan Boulevard 2, Timișoara (Romania) | **Website:** https://ac.upt.ro/en/ | **Field(s) of study:** Systems Engineering, Applied Informatics

C computer programming
C++ object-oriented programming
C programming techniques
C# Programming Media and Technologies
Embedded programming C/C++ (Arduino, ESP32)
Oracle SQL databases
Realtime databases : Firebase
Java Programming
Python scripting
WEB programming (html, css, php, javascript)

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

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

SPOKEN PRODUCTION B2   **SPOKEN INTERACTION** B2

DIGITAL SKILLS

Known programming languages : C/C++, C#, Java, Python / Database management systems: Oracle SQL, MySQL, Microsoft SQL Server / Microsoft Office (MIcrosoft Office Word, Microsoft Office Powerpoint, Microsoft Office Excel) / Good knowledge of communication programs (Microsoft Teams, Zoom, Skype)

PROJECTS

Bachelor's degree - Access control system using RFID cards

The access control system designed by me is a security solution for authorized access to a configured office space consisting of 3 interconnected rooms. The system has the following hardware components : ESP32 DevKitC microcontroller, RFID readers and access cards, module with relays and electromagnetic locks. The main functionality of the system is access based on RFID cards in secure rooms. Only employees with well-defined rights in the database system can enter certain rooms. The system is connected to the Internet via WiFi and communicates with a database in the Cloud, Firebase Realtime Database. Access is managed in the program running in real time on the ESP32 microcontroller. This program was developed in the C++ programming language, using the Arduino IDE development environment. When an employee approaches the RFID card to the reader, the access card's unique identifier (UID) is searched in the Firebase database and if it exists, the employee function (the role in the company) is sent to the microcontroller. The microcontroller program checks whether the employee with the registered function has access to the room or not. In the situation where the employee has access rights, the door lock is opened, the real time when the connection was made, the card user and the action of entering or exiting the room are saved in the database.

Link: https://github.com/Costi-DanielDOBRESCU/ProiectLicenta

Oracle Database 10g on Windows

Designing a database used to manage information about electronic products in a virtual store, performing DML operations on the database, creating functions, triggers and procedures using SQL and PLSQL

Link: https://github.com/Costi-DanielDOBRESCU/Proiecte-CV/blob/main/Proiect BD Dobrescu Costi-Daniel.pdf

COMMUNICATION AND INTERPERSONAL SKILLS

Interaction skills

Team player, Analytical skills, Good time and priority management. I am a calm person and focused on what I have to achieve. I have a creative mindset, a desire to learn and develop professionally. I have good communication skills which I have acquired during college but especially from my current job as a system tester.

EARNED CERTIFICATES

Atos Bootcamp 2022

Link: https://drive.google.com/file/d/108Vjmxoe4mErOjvfWwxB18fPyvBpzYW4/view

AI, Business & the Future of Work

Link: https://drive.google.com/file/d/101oQ6h-JgBrQGMh90cu78OAUqzhoYx-I/view

DRIVING LICENCE

Driving Licence: B