Maria Adina Topliceanu

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ABOUT ME

Dedicated and hard-working Computer Science student at the University of Bucharest, passionate about leveraging technology to drive innovation. I am eager to explore opportunities that will contribute to my continuous learning and development. Through my involvement in volunteering activities, I have not only gained valuable insights into teamwork, collaboration and supporting others but have also learned essential communication skills needed for navigating the dynamic tech landscape.

EDUCATION AND TRAINING

01/10/2022 – CURRENT Bucharest, Romania
CERTIFIED IN COMPUTER SCIENCE Faculty of Mathematics and Informatics, University of Bucharest

01/09/2018 – 01/07/2022 Sinaia, Romania
BACHELOR'S DEGREE Colegiul "Mihail Cantacuzino", Sinaia

CAMBRIDGE ADVANCED EXAM - LEVEL C1

DIGITAL SKILLS

Oracle SQL developer | Python | C++ | C++ (OOP, STL) | C | Cisco Packet Tracer | AUTOCAD - 2D + 3D | Microsoft Office | Microsoft Word | Microsoft Powerpoint | Windows | Linux

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

PROJECTS

Medical Staff Management (OOP in C++) This project is a C++ program designed to manage the staff in a healthcare system. It includes various Object Oriented Programming concepts, such as encapsulation, inheritance and polymorphism. Moreover, I used design patterns (Decorator and Singleton), error handling, STL and header files for organizing the code and its visibility. Due to this application I enhanced both, my problem-solving and software development skills.

Banking System Implementation (C Programming) This project is a C application of a simple banking system to manage and process bank account operations. The system includes features such as listing all bank accounts from a file, displaying user details, adding funds and facilitating transfers. In developing this

project I gained practical experience and knowledge of the fundamental concepts such as data structures, dynamic memory allocation, file handling. The application showcased my skills in designing a user-friendly interface with an intuitive menu.

Database of Association of Students in Computer Science (SQL) This project consists of an Oracle SQL Developer Database application designed to manage and organize the data for students. The database has various entities, relationships and attributes to facilitate information retrieval and interaction. I have also created a web interface linked to the database, using the Flask framework for Python, along with HTML files for the content of each page. For efficiency, I have used JavaScript in the HTML templates so as to create dynamic operations without having to reload the page after each request.

3D Cable Car System (AutoCAD) In this project, I created and designed in 2D and 3D a cable car system using AutoCAD 2023. The focal point of the design is a cable railway station featuring its mechanism. The cabin was designed with multiple features such as glass exterior, gliding doors, winter equipment pockets and a bench with individual seats. This project proves my creativity, attention to detail and a deep understanding of AutoCAD functionalities.

VOLUNTEERING

10/04/2023 – CURRENT Bucharest
Asociatia Studentilor la Matematica si Informatica - HR Department Volunteering makes a big part of me due to my commitment to social responsibility and giving back to the community. My experiences have taught me the importance of empathy, teamwork, and contributing to positive change. By working in the Human Resources department not only did I learn how to plan events and activities that bring people together, but I also developed strong communication, teamwork and problem-solving skills, contributing to my continuous growth. While working for the Teambuilding projects I understood the importance of a good team and collaboration towards common goals.

01/10/2019 – 01/06/2022 Sinaia
Asociatia Socio-Culturala Prahova Excelsior During my time as a volunteer for ASPE, I engaged in acts of charity for children without possibilities. As a member in the organization team I contributed to both the ASPE galas and the local festival Sinaia Forever. Moreover, I took part in the design team where I bettered my skills in video editing while creating the presentation video for the Association. During my involvement with children in various activities I enhanced my social skills and I developed a strong sense for giving back to the community.

COMMUNICATION AND INTERPERSONAL SKILLS

Teamwork, Communication, Time Management, Problem-solving, Planning.

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B1

Driving Licence: B