Ana - Maria Cîmpeanu

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EDUCATION

University of Bucharest, Faculty of Mathematics and Computer Science   October 2021 – June 2025
Information Technology

Courses: Object-Oriented Programming, Data Structures & Algorithms, Algorithms and Programming Techniques, Network Configuration (CCNA-level I, level - II), Computer-aided design (AUTOCAD 2D-3D skills), Operating Systems, Introduction To Robotics, Web Design, Artificial Intelligence, Database.

High School (Nicolae Grigorescu National College)   September 2017 – June 2021
Mathematics and Informatics

Certification: Digital Skills Certificate (C++), issued by "Nicolae Grigorescu" National College, Câmpina - Experienced User - 1. Website and Computer Operating Systems Management - 2. Provision of Data Processing Facilities, Including Support Services.

SKILLS

Languages: C/C++, Python, JavaScript, TypeScript, HTML/CSS/SCSS, C#, Java — **Tools**: Jira, Bitbucket, Git/GitHub,VS Code,CLion, PyCharm, Arduino, Unity — **Database**: SQL, Oracle, pgAdmin, MongoDb , PostMan, Progress OpenEdge — **Frameworks**: Node.js, Bootstrap, .NET, Angular — **Libraries**: NumPy, Matplotlib, Angular Materials, RxJS — **Certifications**: CCNA, Digital Skills Certificate in C++ — **Other skills**: TCP/IP Networking, Linux Administration, Cybersecurity Attack Management (Virtual Machine Management)

PROJECTS

Task-Manager | *Angular, RxJs, Angular Materials, SCSS, Typescript*   July 2024 - August 2024
- Each employee (user) can view, add, and edit their active tasks, ensuring efficient task tracking and organization.
- Automatic notifications are sent when tasks are added or nearing expiration, keeping users informed in real-time.
- Technology Stack: The frontend is built using Angular, with RxJs observables to manage state and reactive data streams. Angular Material is used for layout, reusable components, and UI elements.
- Reusable Containers and Layouts: The application utilizes Angular Material components for responsive layouts and reusable containers, enhancing UI consistency and maintainability.
- Database Integration:The backend database is built using C#, ensuring robust and efficient data storage and retrieval.

LimeChat - Social App | *.NET, Razor Pages, MVC*   May 2024 - June 2024
- LimeChat is a dynamic social networking application built using Entity Framework Core, Microsoft Entity Framework MVC, Razor Pages, and Microsoft Entity Framework Identity.
- The app provides a platform for users to post content, make friends, join groups, and create personalized profiles.

Line Follower - Team Project | *Arduino, C++, Electronic Components*   January 2024
- Our team collaborated in the development of a line follower, a robotic system engineered to autonomously track and adhere to a predetermined route.
- Handcrafted a DIY cardboard chassis, powered by a LiPo battery. Integrated Arduino Uno board, QTR-8A reflectance sensor, L293D motor drivers, and DC motors for autonomous line-following functionality.
- The challenge was to guide it through a set path and finish in under 20 seconds.

Bomberman-Game | *Arduino, C++, Electronic Components*   December 2023
- I crafted the game on an 8x8 matrix canvas, seamlessly navigated by a joystick interface, rendering the immersive gaming experience directly into the vibrant matrix display.
- The game's objective is to strategically place bombs to destroy walls and clear the map within the shortest time.
- The game includes an interactive menu on an LCD screen, enabling players to save names, adjust brightness, view high scores, and monitor in-game stats like lives, time, and player names.

Kyra Cosmetics | *HTML, CSS, JavaScript, Node.js, Bootstrap, JSON, PGAdmin, VS Code*   July 2023
- Kyra Cosmetics website is dedicated to efficiently managing and showcasing a wide array of makeup products, ensuring a streamlined and informative experience for users.
- Learned to utilize technologies like Node.js, Bootstrap, JavaScript, and PGAdmin to enable core functionalities such as user authentication, profile creation, shopping cart management, and product filtering on websites.

EXPERIENCE

WirTek | *Intern Full Stack Developer* July 2024 – September 2024

- Integrated RxJs for efficient and real-time data handling, significantly improving application performance.
- Worked with MongoDB for database management, ensuring scalable and efficient data storage.
- Leveraged Git, Bitbucket, and Jira for version control and streamlined project management.
- Utilized Postman for API testing and management, ensuring reliable backend communication.
- Proficient in Progress OpenEdge, delivering robust backend solutions for enterprise-level applications.
- Led development efforts using Angular and Angular Material to create dynamic and responsive user interfaces.

A.L.I.L - Asociația Luptătorilor Împotriva Leucemiei | *Co-founder* December 2023 – Present
Launched a nonprofit with the mission to assist those affected by leukemia, offering vital treatments and support.

Mathematics/Informatics Tutoring | *Tutor* September 2022 – Present
Routinely tutor students in math, coding, etc.

DENOTA 10 | *Volunteer* September 2021 – February 2022
I took part of a volunteer-based programme called DENOTA10, where I created and shared materials & syntheses for the Baccalaureate Exam in Informatics.

HOBBIES & FOREIGN LANGUAGES

Drawing
- I've even taken painting courses and participated in various art competitions.

Make-up
- Makeup artistry is another one of my hobbies, and I often enjoy doing makeup for events.

Snowboarding
- Snowboarding has become a beloved pastime of mine over the past few years, and I relish every opportunity to hit the slopes.

Languages : English - intermediate (IELTS Certificate) , French - intermediate (DELF Certificate).