

ALBU VICTOR

2nd year Computer Science student at University of Bucharest

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PROJECTS

Barber Shop Management System

[Victor1e/Aplicatie_de_programari_OOP_project](#)

- Developed a comprehensive C++ application for managing a barber shop's operations, integrating object-oriented programming and design patterns to enhance modularity, flexibility, and maintainability. Key features include barber and appointment management, inventory handling, and customer feedback systems.
- Utilized data structures like `std::vector`, `std::list`, and `std::string` for efficient dynamic storage, appointment scheduling, and flexible handling of textual data.
- Implemented a robust exception-handling framework with custom exceptions for reliability and user-friendly messages, and designed template functions for flexible, reusable operations like price calculation across product types.
- Made use of Git for version control, feature management and code reviews

Summer Intern at Luxoft Professional Romania S.R.L, Bucharest

- I studied the basics of the Linux operating system, Unix C programming, interprocess communication and followed engineering practices such as code review and unit testing. I developed a C/C++ client-server application on two Linux virtual machines that passes messages and files through various inter-process communication mechanisms (sockets, message queues, FTP, etc.).

Personal Portfolio

[Victor1e/Site_CV](#)

- Developed a responsive personal portfolio website with sections for skills, education, projects, and contact information. The site features animated loaders, a project showcase, and a custom 404 error page with a gradient background and large error message. Built with HTML, CSS (flexbox, gradients), and JavaScript for interactive elements, highlighting web development skills and UX design.

Spam Message Classification

[Victor1e/Personal-ML_projects](#)

- Developed a machine learning model to classify text messages as "spam" or "ham" using Python. This project involved data preprocessing, balancing datasets, feature extraction, and model building.

COURSES

From Sensor to Insight: Design and Implement AI Powered IoT Systems - Summer School

- University POLITEHNICA of Bucharest Issued Jul 2024 Credential ID 5c322316-5ee4-4059-ad09-6a79e52dabbe
- I participated to this summer school sponsored by Google where me and two other colleagues did an IoT project.
- Security System with Face Detection and Light Sensor

EDUCATION

BSc in Computer Science

University of Bucharest

Oct 2023 – Jun 2026

Mathematics-Informatics

"Tudor Vianu" National High School of Informatics

Sep 2019 – Jul 2023

TECHNICAL SKILLS

Languages: JavaScript, C++, C, Python, SQL, HTML, CSS, Prolog, Assembly, Arduino IDE

Technologies: Git, OOP, Data structures, Algorithm Programming, Operating systems, Machine learning, sockets, message queues, FTP, Data Analysis

LANGUAGES

English – Full professional proficiency

Romanian – Native

OTHER INTERESTS

Sports: football, squash and extreme sports

Hiking

Travelling

- We built a smart security prototype using two ESP32 boards. One board handled real-time image capture and face detection, while the other monitored ambient light levels. When the light sensor detected low-light conditions, it sent a Bluetooth alert to a connected smartphone, prompting users to check the camera feed. This project taught us about microcontroller programming, computer vision basics, and efficient data exchange over Bluetooth.

Engineer your future! Polytechnic University of Bucharest

- Admitted to the Engineer your Future program! organized by the Polytechnic University of Bucharest and Fulbright (<https://www.microderlab.upb.ro/futureengineers/>). Courses: "Data processing and analysis", "Internet of Things systems", "Energy of the future", "Numerical simulation of electrical circuits"

Magurele's science and technology summer school

- Together with 3 other students, I worked for two weeks on the research topic "What can seismic sensors reveal about the behavior of a building?" My task was to make an application in Jupiter notebook in which to analyze the data transmitted by the sensors and to display them. I presented the final project at the Researchers' Night.