ALBU VICTOR

2nd year Computer Science student at University of Bucharest

albuvictor2016@gmail.com +40770788388 Bucharest, Romania
victor-stefan-albu-931045236/

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.

Task Management Web Application – ASP.NET Core MVC

- Developed a web application for task management using ASP.NET Core MVC and C Sharp. Key features include:
- Authentication and authorization with role-based access control (e.g., admin, user).
- User account management (create, edit, delete users).
- Full CRUD operations for tasks and comments.
- Task assignment and management system for users.
- Responsive UI built with Bootstrap for an optimized user experience.

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

COURSES

From Sensor to Insight: Design and Implement AIPowered 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.

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.