

# Eduard-Costin Eftimie

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## ● WORK EXPERIENCE

2024 Cluj-Napoca  
**EMBEDDED SYSTEMS SOFTWARE DEVELOPER** ARCHAEO BIO COMPUTATION SUMMER PRACTICE, FMI UBB

- Creating a backend for Arduino to control motors and sensors, programmed via the Arduino IDE.
- Building a mobile interface utilizing MQTT, Node-RED, and JavaScript for real-time communication.
- Conducting research on various hardware components such as Arduino, Raspberry Pi, ESP32, transistors, and breadboards to design simple circuits.
- Setting up an operating system and MQTT on a Raspberry Pi using Bash shell scripts.

2024 Cluj-Napoca  
**WEB APPLICATION** SYSTEMS FOR DESIGN AND IMPLEMENTATION, FMI UBB

- Frontend built using **React.js** featuring multiple pages, **CRUD** operations, offline functionality, charts, and token-based authentication.
- Backend created using **FastAPI (Python)** with **SQL**, involving models, Put/Post/Edit/Delete requests, tokens, tests.
- Deploying the project online and migrating the database to **AWS**.

2024 Cluj-Napoca  
**DESKTOP APPLICATION COLLABORATIVE PROJECT** SOFTWARE ENGINEERING, FMI UBB

- **MVC** architecture using **C# & Entity Framework**.
- **Design patterns** and various diagrams for system design.
- Team collaboration for project design and development.
- Integration of multiple **APIs** & handling requests efficiently.

2022 Iași  
**DEMO MOBILE APPLICATION** IDEATHON URBANIZE HUB

- I developed a demo application using the **.NET framework** with **Android SDK** and MAUI for cross-platform functionality, and managed the database with Firebase. The app features a user chat system, a map-based reporting tool for submitting city issues with photo attachments, a profile page with photo uploads, likes, and comments, as well as a dynamic feed for real-time updates. It also includes location-based notifications to keep users informed.

2023 – 2024 Cluj-Napoca  
**HR MANAGER FOR VOLUNTEERING ORGANIZATION** SOCIETATEA HERMES

- I have proven experience in team coordination, leadership, and client relationship management, with strong communication skills and the ability to engage as a public speaker. Additionally, I am skilled in conducting interviews and have successfully organized large volunteer groups.

## ● EDUCATION AND TRAINING

2022 – CURRENT Cluj-Napoca  
**STUDENT** Babeș-Bolyai University

**Object-Oriented Programming, SOLID** principles, Design Patterns, Databases, Operating Systems (Linux), Computer Networks, Advanced Algorithms & Data Structures, **Probability & Statistics**, Functional & Logic Programming, Artificial Intelligence, Deep Learning, Functional & Logic Programming, Formal Languages and Compiler Design, Computer System Architecture, **Web Programming**

- I have a solid background in PHP, **JavaScript**, **MySQL**, HTML, CSS, and advanced WordPress, along with web design experience using Bootstrap and XAMPP. My skills include building functionalities, working with forms using **jQuery** and **AJAX**, and collaborating on web development projects.

**Final grade** Utilizator Experimentat

## ● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	B2	C1	C2	C1

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

## ● DIGITAL SKILLS

C C++ C (C-Sharp) | .NET | Python | Java | JavaScript | PHP | HTML | CSS | SQL | GIT version control, Linux Command | Bash | SQL Server Management | Photoshop