

VICTOR-STEFAN ARSENIU

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EDUCATION

University Politehnica Bucharest, Bachelor's Degree

September 2024 - Present

Faculty of Automatic Control and Computer Science

Overall **GPA**: 9.74/10

Relevant Coursework: Introduction to Assembly, Data Structures & Algorithms, Algorithm Analysis, Algorithm Design, Operating Systems, Object Oriented Programming, Communication Protocols, Computer Organization and Architecture

WORK EXPERIENCE

Huawei

July 2025 - September 2025

Intern, Dresden Research Center

Dresden, Saxony, Germany

- Software development in **C++** and **Python** under an **international** research team.
- Gained experience with **Vulkan**, **operating systems**, and **large-scale codebases**.

ACADEMIC ACHIEVEMENTS

ICPC: bronze medal at the South Eastern European Regional Contest (SEERC)

2025

National Olympiad in Informatics: **Honorary Mention, Silver** & Qualified to **IOI Selection Camp**

2024

Other: USA Computing Olympiad (**USACO**) **Platinum** division rank **143**, **Codeforces Master 2151** highest rating

2024

PROJECTS

Mineclone

February 2025 - Present

- Custom **multithreaded** voxel renderer, using **Taskflow** for task scheduling
- Fully written in **C/C++**, it supports **OpenGL** & **Vulkan** as backends

"Elevi pentru Elevi" Programming Contest

August 2023 - March 2024

Founder, Coordinator & Problem Setter

- **Founded** the county-level programming contest with the support of my high school teacher
- **Built** and **led** the **team** of **problem setters** composed of **students** from my high school
- Setup contest **server** & organized simulations to **test** the **capabilities** & **stability** of the platform

EXTRACURRICULAR ACTIVITIES

"AIRFORCE" CanSat Team

August 2022 - May 2023

Cofounder & Programmer

Pitesti, Romania

- Implemented a quadcopter flight controller using **Madgwick** & **Kalman filters**, and **PID controllers**
- Implemented a **task scheduler** in **ARM32 assembly** for an **STM32 MCU**
- Won the **"Highest Technical Achievement"** award at the national competition

"Broboti" FTC Team

2022-2024

Lead Programmer

Pitesti, Romania

- Used **Java** MIT libraries to allow **autonomous movement** and **operations** as well as **remote controlled operations**
- Used the **OpenCV** library for **imaged-based automation** of the **robot**
- **Coordinated** the programming **department** of the **team**

ABILITIES

Programming Languages

C/C++, x86 Assembly, Java, Python, Verilog, MatLab, HTML, CSS, JavaScript

Tools & Frameworks

Linux, Bash, Git, FastAPI, Flask, Taskflow, GLSL, OpenGL, Vulkan

Languages

Romanian (native), English (C1 - CAE)