0739 973 188
Cluj, Romania
Online Portfolio
rafaellavlase@gmail.com
github.com/rafaella-vlase
Rafaella Vlase

VLASE ELENA-RAFAELLA

Student

SUMMARY

I am a passionate Computer Science student with a keen interest in technology and a proficiency in Linux environments. I demonstrate strong teamwork skills and an ability to adapt to new technological trends. My personal hobbies include listening to music and exploring the Internet for creative inspirations, particularly in the realm of interior design. I am committed to continuous learning and growth in the field of technology.

SKILLS

Languages: C, C++, C#, Java, Python, SQL, HTML, CSS, LaTeX

Technologies: Github, .NET, Linux terminal, Anvil, MS Office, Arduino, OpenGL, Blender, Unity

Soft Skills: Good time management, punctuality, teamwork, adaptability, good at working under pressure

PROJECTS

Technology — **Online Portfolio** — **Github Link: Online Portfolio**
A vanilla HTML and CSS website for my personal portfolio.

Technology — **License Plate Detector** — **Github Link: License Plate Detector**
Implementation of an Image Processing project in C++ and OpenCV for detecting and extracting the numbers from romanian license plates.

Technology — **Basic OpenGL scenery** — **Github Link: OpenGL scenery**
Implementation of an engine for a 3D world containing shadows, multiple light points, 3D objects, fog and skyboxes.

Technology — **Personal Expense Tracker with Anvil** — **Github Link: Expense Tracker**
A website that allows users to create an account and monitor their own expenses ordered by categories and different timespans.

Technology — **Pulse Meter with Arduino UNO** — **Github Link: Pulse Meter**
Implementation of a pulse meter that shows the BPM both on a LCD display and on the Arduino System Monitor.

Technology — **Connection to WiFi via SSID and password with PYNQ Z1** — **Github link: WiFi Connect**
A bash script that allows the PYNQ Z1 development board to scan and connect to WiFi networks via SSID and password.

Technology — **Pacman** — **Github Link: Pacman**
Implementation of the Pacman assessment from the Artificial Intelligence course at Berkeley University.

Technology — **Polynomial Calculator in Java** — **Github Link: Polynomial Calculator**
Design and implementation of a polynomial calculator with a dedicated graphical interface through which the user can insert polynomials, select the mathematical operation to be performed and view the result.

EDUCATION

10/2021 - 6/2025 — **Universitatea Tehnica din Cluj-Napoca** — **School**
Bachelor Degree, Computer Science

9/2020 - 6/2021 — **Certificate of SQL Course Completion** — **Course**
High School

9/2017 - 5/2021 — **Colegiul National "Emil Racovita"** — **School**
High School

LANGUAGES

English - C1+, **French** - B1, **Romanian** - native