

# Răzvan-Vasile Bumbu

I'm a hard working student with a passion for software development and for software engineering. I am an ambitious person and I can adapt very easily to different challenges.

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<https://github.com/RazvanB12?tab=repositories>

[https://razvanb12.github.io/Personal\\_site/](https://razvanb12.github.io/Personal_site/)

## Projects

### Microsoft Teams Clone - Backend Developer

- Web application that implements some of the services offered by Microsoft Teams.
- I designed backend using Java Spring Boot framework and Hibernate to perform operations on database.
- Frontend was designed by my teammate using HTML, CSS, JS and React.
- **Backend technologies:** Java, Java Spring Boot, Hibernate, MySQL
- **Frontend technologies:** HTML, CSS, JavaScript, React

### Fotorealistic Town using OpenGL - Creator

- Application that creates a fotorealistic scene using 3D objects.
- User can navigate around the scene and turn on/off special effects using the keyboard.
- The scene and the special effects are implemented using OpenGL library.
- **Technologies:** C++, OpenGL library

### Food Delivery Application - Creator

- Application that implements a food delivery management system for a catering company.
- There are 3 types of users: Admin, Client, Employee. Each type can perform specific operations.
- It uses Composite Design Pattern for modelling the classes and Observer Design Pattern for notifications.
- **Technologies:** Java, JavaFX, Java Swing, MySQL

### Polynomial Calculator - Creator

- Application is a polynomial calculator that can perform different operations on polynomials.
- Operations that can be performed are addition, subtraction, multiplication, division, derivation and integration.
- It uses MVC Design Pattern.
- **Technologies:** Java, JavaFX, Java Swing, MySQL

## Education

### Technical University of Cluj-Napoca - Bachelor of Science, Computer Science

October 2020 - current

Cluj-Napoca, Cluj

### "Lucian Blaga" National College - Mathematics-Informatics

September 2016 - June 2020

Sebes, Alba

#### Extracurricular activities

- Volunteer at Interact Club Sebes

## Skills

- Java
- C/C++
- Python
- HTML/CSS
- JavaScript
- MySQL
- **Communication skills:** romanian (*native*), english(*intermediate*), german(*beginner*).