

HERMENEANU IONUT-SILVIU

Computer Science Student



PROFILE

Computer Science student, with a strong foundation in algorithms, data structures, and object-oriented programming. Passionate about software development, with hands-on experience in C++, C#, and Java, as well as frameworks like WPF and Emgu CV.

CONTACT

EMAIL:

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LinkedIn:

<https://www.linkedin.com/in/silviu-hermeneanu/>

GitHub:

<https://github.com/hsilviu05>

PHONE:

+40 799 597 400

Languages:

English – B2

Romanian - Native

TECHNICAL SKILLS

Programming Languages: C, C++, C#, Java, Python(basic)

Databases: PostgreSQL, MySQL

Development Tools: Visual Studio 2022, Visual Studio Code, IntelliJ IDEA, QT Creator, PyCharm, Git

Concepts: Algorithms & Data Structures, Object-Oriented Programming (OOP)

Frameworks & Technologies: Windows Presentation Foundation (WPF), Emgu CV, NuGet, Jackson

Version Control: GitHub, Git

EDUCATION

Transylvania University of Brasov

Faculty of Mathematics and Computer Science

2023 – Present

Bachelor's Degree in Computer Science

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (OOP), Operating Systems, Database Management.

"Emil Racovita" College of Natural Sciences, Brasov

2019 - 2023

High School Diploma - Natural Science

PROJECTS

Battle City C++ / QT

I developed a multiplayer tank battle game in C++ using Qt, featuring client-server architecture for up to four players. Implemented procedural map generation, destructible environments, physics-based projectile mechanics, and real-time synchronization via HTTP. Designed a SQLite-backed player progression system with leaderboards and statistics. Applied object-oriented design principles to ensure modularity, scalability, and efficient network communication.

Calculator C#

I developed a calculator application in WPF using the MVVM pattern, supporting both standard and programmer modes. Implemented a robust CalculatorEngine for arithmetic and operations, along with a MemoryManager for storing values and a NumberBaseConverter for conversions between HEX, DEC, OCT, and BIN. Designed an intuitive UI with dynamic mode switching, error handling, and persistent user settings. Ensured clean architecture, efficient memory management, and support for both keyboard and mouse input.

SKILLS

Teamwork

Communication

Problem Solver