Vincentiu-Ionut Tarsoaga

📞 +40 730701500 ✉ vincentiutarsoaga01@gmail.com ⚙ github.com/Vincentiu25

in Vincentiu Tarsoaga

Intro

Sociable, innovative and career driven third year computer science student, interested to work in a team and learn as much as possible from professionals in the field.

Education

Faculty of Automatic Control and Computer Science,University POLITEHNICA of Bucharest

- Starting date: **October 2021**
- Expected graduation date: **July 2025**
- Section: **Computers and Information Technology**
- Relevant Coursework: **Data Structures (C), Introduction to Assembly language (x86 Assembly), Numerical Methods (MATLAB), Operating Systems, Object-Oriented Programming (Java), Algorithms Design (C++), Programming Paradigms (Racket/Haskell/Prolog), Communication Protocols (C/C++), Parallel Programming(C/Java), Elements of Computer Graphics(C)**

Ovidius Highschool of Constanta

- Attendance date: **September 2017- June 2021**
- Profile: **Mathematics** and **Informatics** bilingual **English**

Skills

Intermediate: Java, C/C++, Python, Git
Basic: Ghidra, Matlab, Haskell, x86 Assembly, Bash, HTML & CSS

Projects

TCP-Client-Server | *C++*   **June 2023**

- REST API client using low-level socket API to communicate with a simple HTTP server for a sign-up based library with functionalities to add, remove, and open books involves several steps.

Movie Streaming Service | *Java*   **January 2023**

- Implemented back-end functionality in Java for browsing and searching for TV shows and movies.
- Designed and implemented **data storage and retrieval** using **Object-Oriented Programming** principles.
- Created user authentication and authorization features for saving items to watchlist and marking items as watched

File System - Team Project | *C*   **May 2022**

- **Utilized generic tree data structure** to efficiently manage and organize files
- **Includes functionalities of linux commands** like mkdir, rmdir, rm, touch, pwd, mv, ls, tree.

Plants vs Zombies Game | *C*   **November 2023**

- Game like Plants vs Zombies, very simplified, **using OpenGl** to create the animations
- Includes functionalities like energy collected, plant cost, drag and drop for adding plants on the map, randomly spawning enemies, plants firing projectiles at enemies, damage taken by plants and zombies, collisions between all objects

GwenthStone game | *Java*   **November 2022**

- Card game similar to HearthStone, using chosen Heroes with special abilities
- Turn based game for two players, game ends when the Hero of one player has been defeated
- Multiple type of cards in the deck, each one having different abilities,hp, attack and energy requirements
- Each player can draw a card, place a card on the table, use the ability of a chosen card, attack an opponents card or use the ability of the Hero

Awards and Certificates

- Oracle Certified: **Database Design and Programming with SQL** (2020)
- Cambridge English: Advanced **(CAE - C1)** Certificate (2020)
- Goethe-Zertifikat: German **(B1)** (2017)

Extracurricular Activities

- 30+ WCA Rubik's Cube Competitions in Romania, Bulgaria, Italy and Greece, WCA profile: **Here** (Since August 2017)
- 4 WCA Rubik's Cube Competitions organized in Constanta: (2018-2021)