Projects & Associations

Advanced Algorithms in Rust *2022*
THEALGORITHMS/RUST *Github*

- Implement advanced graph algorithms such as centroid decomposition and max-flow.
- Implement various cryptographic algorithms including Salsa20 and HMAC.
- Improve and optimize the implementation of various algorithms like SHA256 and DSU.
- Various other improvments and implementation.

Jungle Marble Blast Clone *2023*
ER888KH/BP-CPP *Github*

- This was the project for our basic-programming course.
- Implemented using SDL and Dear ImGui libraries in C++.

SSH VPN with User Management *2023*
ER888KH/SSH-LIBERTY-BRIDGE *Github*

- Implemented in go with the user management componenet written in python.
- Has been used successfully for bypassing GFW restrictions in Iran and bringing internet freedom to the citizens.
- Integrated in hiddify's excellent GFW bypass solution.
- This has been implemented with great care regarding its security and performance and uses redis as its database