

# Rasul Yunusov

Github: Rassska

Email : rasuldag220@gmail.com

Mobile : +7 988 798 09 87

## EDUCATION

- National Research ITMO University** St. Petersburg, Russia  
*Bachelor's degree in Computer Science* Sept. 2019 - Aug. 2023
  - Relevant courses:** Blockchain Development, Graph Theory, Applied Math, C++/C
  - GPA:** 4.5/5.0
- Moscow Workshops Juniors** Moscow, Russia  
*Competitive programming training camp* Jan. 2019 - Feb. 2019
  - GPA:** 4.7/5.0

## SKILLS

- Languages:** Solidity, C++/C, JavaScript
- Technologies:** Echidna, Manticore, Slither, Hardhat, Foundry, Brownie, Git

## PROFESSIONAL EXPERIENCE

- GreensFI** Remote  
*Freelance Solidity Engineer, Contract* May 2022 - Jul. 2022
  - Solidity JavaScript ERC721A/ERC1155
  - Implemented** several smart-contracts for the game items based on **ERC721A** and **ERC1155** standards for **NFTs**
  - Integrated EIP-2335** to have an upgradeable functionality by using **Diamond proxy**
  - Covered** different use-cases with unit-tests written by using Moch-Chai frameworks
  - Reviewed** smart-contracts by using **Mythril** and **Slither** to find some common vulnerabilities
  - Deployed to Rinkeby** test network in order to test before the main deployment process.
- Leetcode** Remote  
*Solution Architect* Feb. 2022 - Jun. 2022
  - Algorithms Data Structures C++ Python Manim
  - Produced** a highly quality video solutions for problems by using Manim library from **3Blue1Brown**
  - Proposed** an idea to use Manim for Math-CS related content in order to create some fancy animations
  - Resulted in** getting a positive feedback from the customer's side
  - Demo** content can be found here: [link](#)
- Immunefi/Code4rena** Remote  
*Freelance Auditor* May 2022 - Jul. 2022
  - Solidity JavaScript Yul
  - Started** to look for different bug bounty programs and already got some prize awards from different DeFi protocols
  - Reviewed** about 30 protocols on Code4rena and learned a lot from public reports
  - Tried** to find some low-medium severity issues on Immunefi and successfully mitigated them in protocols: **Mean Finance, SuperBots, Ease, etc...**
- GraphOnline [Open Source]** St. Petersburg, Russia  
*Contributor* May. 2021 - Aug. 2021
  - Javascript C++ XML GTest DSA
  - Designed and implemented solution** to compute max clique of given graph by using C++ and DSA
  - Improved time complexity** of the single-source shortest path algorithm after **contributing SPFA approach** written on Javascript
  - Covered** all sources by using Google Test Framework and wrote couple of custom tests using XML
  - Resulted in** an increasing site traffic by **12% after deploying innovative technologies**

## PUBLICATIONS AND COURSES

- Published** Ford-Fulkerson algorithm's explanation on **Habr.com** and got positive feedback **out of 6.5k+ views**
- Published** Minimum Spanning Tree algorithm's explanation on **Habr.com** and got positive feedback **out of 2.5k+ views**
- Published** an efficient implementation of Ford-Bellman algorithm using SPFA approach and got positive feedback **out of 4.0k+ views**