Rasul Yunusov

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Education

- **National Research ITMO University** — St. Petersburg, Russia
  Bachelor's degree in Computer Science — *Sept. 2019 - Aug. 2025*
  - **Relevant courses**: Blockchain Development, Graph Theory, Applied Math, C++/C
  - **GPA**: 4.0/5.0
- **Moscow Workshops Juniors** — Moscow, Russia
  Competitive programming training camp — *Jan. 2019 - Feb. 2019*
  - **GPA**: 4.7/5.0

Skills

- **Languages**: Solidity, C++/C, JavaScript, Yul
- **Technologies**: Hardhat, Foundry, Echidna, Git

Professional Experience

- **Decurity** — Remote
  Security Auditor — *Dec. 2022 - Jan. 2023*
  Solidity | JavaScript | Yul
  - **Successfully completed** couple of manual review audits with highly skilled auditors
  - **Wrote** about 50+ invariants and prepared to fuzz some of the test cases eligible for fuzz-testing
  - **Developed** an on-chain forta bot in order to catch GMX vault price anomalies across multiple networks

- **Immunefi/Code4rena** — Remote
  Freelance Security Auditor — *Jul. 2022 - Jan. 2024*
  Solidity | JavaScript | Yul
  - **Audited** the assets listed on Immunefi for the following bug bounty programs: **Polygon**, **Wormhole**, **Yield Protocol**, **Mean Finance**, **Ease**, **Multichain**, **SuperBots**.
    See all reports here
  - **Reviewed** about 10+ protocols on Code4rena and submitted **25+ H/M issues** in total.
    See all results here
  - **Analyzed** Chainlink price feeds in order to understand the possibility of price discrepancy occurrences.
    See all scripts here

- **GreensFI** — Remote
  Freelance Solidity Engineer, Contract — *Aug. 2022 - Dec. 2022*
  Solidity | JavaScript | ERC721A/ERC1155
  - **Implemented** smart-contracts for the game items 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

- **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**
  - **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 54k+ views**
  See the post here
- **Published** Minimum Spanning Tree algorithm's explanation on **Habr.com** and got positive feedback **out of 71k+ views**
  See the post here