

Ian Miller

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GitHub: <https://github.com/turnMeUpSon>

Portfolio website: <https://square-tree-2221.on.fleek.co/>

EDUCATION

• Higher School of Economics

Moscow, Russia

- *Bachelor's degree
in Cybersecurity*

Sep. 2018 – Sep. 2022

Thesis: specialist with knowledge and skills in development, research and application of the latest integrated methods and tools for information security.

Relevant coursework: Programming in Python, C++, Algorithmization, Computer Workshop administration of systems and networks, Linear Algebra and Geometry, Discrete Mathematics

English Level: Successfully passed [the Duolingo English Test](#)

WORK EXPERIENCE 2 YEARS

• MOBOX

Remote

* Blockchain Developer Intern

2021 – 2022

- Studied to write smart contracts using Solidity and Ethers.js
- Studied to test and deploy smart contracts using Hardhat and Alchemy
- Implemented ERC721 smart contracts and created NFT for farming game
- Assisted Research & Development on Web3 Products

• MixBytes

Remote

* Smart Contract Auditor / DeFi researcher

2022 - 2023

- I learned how to work with low-level code and efficient algorithms
- I deep understood the logic of DeFi and researched web3 protocols
- Solidity low-level patterns
- Solidity high-level patterns
- Audited DeFi protocols such as "Lido protocol" and found vulnerabilities
- Peer reviewed & Audited Solidity code

• Achievements

- [Winner of the team engineering Olympiad for school children "Olympiad of the National Technology Initiative in the competence track Talent 20.35"](#) Competence - "Programming in Python":
- [Awarded for the originality of the idea in Hackathon Moscow HSE Hack](#)
- [Python Basics and Application certificate](#): The fundamental principles of the Python language, how the interpreter executes code, the structure data, types of data and functions.
- [Python programming](#): Basic concepts and elements of the Python

PROJECTS ON GITHUB

- [Audit Litra protocol](#): Litra is a DAO governance protocol built on Aragon framework that allows users to vote
- [Domains NFT Marketplace](#): the service that allows people to buy domain names like "john.eth". Technology stack and tools: Solidity, JavaScript, React, Hardhat, Ethers.js, Openzeppelin.
- [HiloSwap-Staking-Dapp](#): Build an ERC20 Token Staking App in Solidity, React & Hardhat, Openzeppelin.
- [Hilo Real Estate NFT Marketplace](#): Hilo is the real estate NFT marketplace which allows people to buy real estate property using Ethereum Blockchain. Technology stack and tools: Solidity, Ethereum, Hardhat, React, Openzeppelin.
- [Archi\(ART\)](#): ERC20 token that has been deployed in testnet using Solidity Hardhat, Ethers.js, Openzeppelin.
- [ERC20-Tokens-TheLastOfUs](#): I created smart contracts that implemented ERC20 tokens of different types of characters of The Last of Us game. Technology stack and tools: Solidity, Uniswap V3 Pool,

Goerli Testnet, Hardhat, EthersJS, Openzeppelin.

- [DAO:](#) I created a DAO test project and made governance tokens using Solidity, TypeScript, Hardhat

PROGRAMMING SKILLS

- **Languages:** Solidity, JS, TypeScript, Python, C++, HTML CSS, React
- **Tools:** EVM, Hardhat, Foundry, Alchemy, Openzeppelin, Infura, Chai, Mocha, IPFS, Node, Metamask, Remix, Git, PostgreSQL, MongoDB, MySQL, Docker, NGINX, Unittests, Pytest, Linux Ubuntu