

Kenneth Scott Smith

[GitHub](#) | [Website](#) | ksmit323@gmail.com

Summary

- Former Mechanical Engineer turned Software Developer passionate about blockchain, crypto, and DeFi
- Extensive experience developing smart contracts with a strong track record in hackathons
- Proficient in Solidity, Rust, Python, C, Foundry, Hardhat and general smart contract best practices

Skills

- **Programming and Tools::** Solidity | Rust | Python | C | Typescript | Foundry | Hardhat | Web3.js | Ethers.js | Move | Noir DSL
- **Blockchain Development:** Smart Contracts | Solidity Design Patterns | EVM Security | Gas Optimization | DeFi designs

Professional Experience

Smart Contract Developer	Freelance	08/2023 - Current
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- Developed contracts for a macroeconomic NFT staking game on the EVM
- Built logic for minting and staking NFTs, resulting in high user engagement
- Created ERC20 tokens for various game activities and interactions
- Implemented upgradeable smart contract functionality for versatile game mechanics

Software Developer	Northstar Precision Vietnam	02/2023 - 07/2023
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- Achieved **99%** accuracy in preventing manufacturing defects through object detection algorithms
- Designed and developed computer vision algorithms using OpenCV, YOLO, and Nvidia embedded computing boards
- Maintained software tools and libraries for object detection applications
- Optimized neural networks on CPUs and GPUs using CUDA and cuDNN software for efficiency

Projects

BuzzKill: Honeycomb Hustle  **Hackathon Winner**

- **1st Place Winner** of the Viction Horizon Startup Hackathon Gaming track
- Led the development of an innovative NFT P2E staking game built on the Ethereum Virtual Machine
- Architected a robust smart contract ecosystem in Solidity, leveraging Foundry for testing, featuring NFT minting, burning, and staking, as well as ERC20 reward token distribution
- Designed and deployed a responsive, user-centric frontend using Next.js
- Links: [Website](#) / [Github: Smart Contracts](#) / [Github: Frontend](#)

Funding Rate Arbitrage for Crypto Futures Market - Hackathon Winner

- **1st Place Winner** of the Scaling Web3 Hackathon presented by Orderly network and Encode
- Developed a funding rate arbitrage program for crypto perps to compare and exploit funding rate across multiple DEXs
- Designed modular code architecture for efficient funding rate data retrieval, analysis, and implementation
- The strategy generates approximately 0.012% profit per hour, equating to an annual percentage rate (APR) of **105%**
- Link to [Github](#)

Education

Expert Solidity Coding Bootcamp	Extropy	Online	Completed Nov 2023
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- Expert Solidity Graduate Certificate

Solidity/Blockchain Intensive Coding Bootcamp	Encode	Online	Completed Sept 2023
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- Solidity/Blockchain Graduate Certificate

Bachelor of Science	UNC Charlotte	Charlotte, NC, USA	Graduated 2012
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- Major in Mechanical Engineering