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, and other programming languages and tools

Skills

- **Programming Languages**: Solidity | Rust | Python | C | Move | Noir DSL | Javascript | Typescript | HTML | CSS | SQL
- **Frameworks**: Foundry | Hardhat | Web3 | Ethers | Bootstrap | Pandas | Numpy | Node.js | Next.js | Nest.js | Selenium
- **Tools and Technologies**: Smart Contracts | EVM | ZK Proofs | Neural Networks | OpenCV | CUDA | Linux | Git | Azure

Professional Experience

Smart Contract Developer — Freelance — 08/2023 - Current

- 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

- 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

- Expert Solidity Graduate Certificate

Solidity/Blockchain Intensive Coding Bootcamp — Encode — *Online* — Completed Sept 2023

- Solidity/Blockchain Graduate Certificate

Bachelor of Science — UNC Charlotte — *Charlotte, NC, USA* — Graduated 2012

- Major in Mechanical Engineering