

# Kenneth Scott Smith

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## Summary

- Former Mechanical Engineer turned Software Developer with a huge passion for Blockchain, Crypto, DeFi and AI.
- Proven experience in developing secure, efficient smart contracts and contributing to successful blockchain projects.
- Consistently recognized for innovation and problem-solving skills by winning **two** hackathons.
- Proficient in Solidity, Rust, Python, and EVM development with an understanding of blockchain security and optimization.

## Skills

- **Languages & Tools:** Solidity | Rust | Python | C | Typescript | Foundry | Hardhat | Web3.js | Ethers.js
- **Blockchain:** Smart Contracts | Solidity Design Patterns | EVM Security | Gas Optimization | DeFi Protocols
- **Other tools:** Move | Noir | Web Scraping | Git | Linux | OpenCV | Next.js | React | Node.js | HTML | CSS | CI/CD | SQL

## Professional Experience

### Smart Contract Developer (Freelancer)

08/2023 - Current

- **Developed** smart contracts for a macroeconomic NFT staking game on the EVM, driving high user engagement
- **Implemented** ERC20 tokens and upgradeable contracts, enhancing the game's flexibility and security
- **Optimized** contract performance, resulting in a **20%** reduction in gas costs and improved user experience
- **Collaborated** with front-end developers to ensure seamless integration between smart contracts and the user interface

### Software Developer (Polaris)

02/2023 - 07/2023

- **Achieved** a 99% accuracy rate in defect detection by designing and implementing computer vision algorithms
- **Optimized** neural networks on CPUs and GPUs, resulting in a 15% improvement in processing speed
- **Maintained** and updated software tools and libraries, ensuring high performance in object detection applications
- **Integrated** AI-driven solutions into existing manufacturing processes, reducing waste and increasing 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 leveraging **Solidity**, and **Foundry**, featuring NFT distribution and staking
- Designed and deployed a responsive, user-centric frontend using **Next.js**
- Links: [Video demonstration](#) / [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