

Ethan Cheong

Software Developer and Designer

SUMMARY

Versatile and highly skilled developer with expertise in blockchain technologies, smart contract development, game development, artificial intelligence (AI), and user interface (UI)/user experience (UX) design.

Passionate about creating cutting-edge solutions that leverage blockchain's power, immersive game experiences, and intelligent AI systems.

Strong technical background combined with an eye for design, ensuring seamless user experiences and efficient system performance.

In-depth knowledge of UX design development, focusing on accurate requirements analysis and data analysis, user-centered design, and visual hierarchy to effectively implement ideas and meet user needs. Currently contributing to and deeply interested in the development of blockchain and AI collaboration projects.

CONTACT



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EXPERIENCE

Freelancer

- Designed, implemented, and deployed secure smart contracts for blockchain-based games on Ethereum.
- Designed, implemented, and deployed the UI/UX of a site that integrates Oracle Marketplace and Smart Contract Build with blockchain and AI agents.
- Designed user interfaces and interactive experiences for web and mobile applications, focusing on usability, accessibility, and aesthetics.
- Conducted user research, created wireframes, and developed interactive prototypes using Figma and Adobe XD.
- Integrated responsive design principles to ensure seamless experiences across various devices and screen sizes.
- Developed and deployed decentralized applications (dApps) on Ethereum and other blockchain platforms, integrating Web3.js for seamless user interaction.
- Designed and implemented smart contracts using Solidity, ensuring security and functionality in DeFi, NFT, and tokenization projects.

Professional Experience

- Designed and implemented machine learning algorithms for data analysis and predictive modeling, leveraging TensorFlow and PyTorch for deep learning models.
- Contributed to research on reinforcement learning for autonomous systems.
- Developed multiplayer online games using Unity and Unreal Engine, integrating complex game mechanics and optimizing cross-platform performance.
- Created cohesive and engaging narratives and environments with creative thinking and execution.
- Ensured responsive gameplay and optimized frame rates for a smooth player experience.

EDUCATION

- HCI (HCI)
2011-2016
- Nanyang Technological University (NTU)
2017-2021

SKILLS

- Blockchain & Smart Contracts: Solidity, Ethereum, Polygon, Binance Smart Chain (BSC), Hyperledger, Web3.js, Truffle, Hardhat, IPFS, DeFi, NFTs
- Game Development: Unity, Unreal Engine, C#, C++, Multiplayer systems, Game Mechanics, 3D/2D Graphics, Physics Engines
- AI Development: Machine Learning, Deep Learning, Natural Language Processing (NLP), Reinforcement Learning, TensorFlow, PyTorch, OpenAI APIs
- UI/UX Design: Figma, Adobe XD, Sketch, Wireframing, Prototyping, User Research, Interaction Design, Usability Testing
- Web & Mobile Development: HTML, CSS, JavaScript, React, React Native, Node.js, TypeScript, Vue.js

LANGUAGE

- Chinese: Fluent
- English: Fluent