

# JIMMY TAN ZHI XUAN

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## Summary

Computer Science graduate specializing in Artificial Intelligence with extensive experience as an active Web3 developer. Achieved **27+ wins** in leading global blockchain ecosystem hackathons. Contributed to open-source projects and proficient in modern Web3 technology stacks while leveraging AI tools to accelerate development workflows. Expert in rapid prototyping and shipping production-ready solutions within highly collaborative and remote environments. Demonstrates fast learning, adaptability to emerging Web3 technologies, and a creative, experimental approach to problem-solving and product design. Skilled at delivering clear, visually engaging presentations and demos of products and complex concepts.

## Projects and Achievements

### HyperAgile: Tokenized Warehouse Robotic Automation

- Hedera Hello Future 2.0 2025 – 1st Place (Tokenized Assets)
- Hedera Hello Future 2.0 2025 – 3rd Place (Hashgraph Advanced)
- Polkadot Global Hackathon 2025 – 3rd Place (Open Topic)
- Polkadot Global Hackathon 2025 – Best College Student Dev
- QuickNode Build On 2024 – 1st Place (QuickNode Functions)
- QuickNode Build On 2024 – 1st Place (Best Overall)
- ETHGlobal Bangkok 2024 – 1st Place (Best Storacha Solution)
- Aptos Code Collision 2024 – 5th Place (Unexpected Track)
- Based Around the World (APAC) 2024 – Top 10 Winner

### Blend: 3D Face Reconstruction Engine

- Taraxa TinkerFest 2024 – 3rd Place (AI)
- Polkadot Winter Edition 2023 – 3rd Place (Ecosystem Dev Tools)
- Polkadot Winter Edition 2023 – Best College Student Dev
- MultiversX Global Virtual Hackathon 2023 – 2nd Place (AI)

### Emissary: DAO Treasury Management

- ETH Toronto Hackathon 2023 – 1st Place (XDC Track)
- Polkadot Global Series APAC 2023 – 2nd Place (Mass Adoption)

### Discuss AI: Agent-Led Discussion

- ETH Global Taipei 2025 - 1st Place (ENS)

### PocketBoard: Multichain Freelance Platform

- Polkadot Global Series North America 2024 - 1st Place

### VoiceCard: AI Voiceover NFT

- Move On Aptos 2024 - 3rd Place (AI for Content Creation)

### BlockForest: Tree Planting with Carbon Credits

- Tron Grand Hackathon S4 2023 - 4th Place

### FlowCapture: DAO Voting Platform

- Chainlink Spring23 - 2nd Place

### IPFS Blog Engine: Markdown to Blog on IPFS

- Gitcoin L2 Rollathon 2022: 1st Place (FIL Storage Wizard)

## Open Source Contributions

### Pinata Integration for LangChain JS

- Built 8 tool classes for Pinata SDK integration on LangChain JS, enabling AI agents to manage files (upload, query, delete) on IPFS, and organize them through group management (create, delete, update, list).

### IPFS Plugin for WordPress

- Won FIL Singapore Web3 Infinity Hackathon 2022 - 2nd Place
- Received Filecoin Development Grant

## Technical Skills

**Programming Languages:** Javascript, Typescript, Solidity, Cadence, Python, MATLAB, Java (Basic), C (Basic), Move (Basic)

**AI and Vibe Coding Tools:** ChatGPT, Claude, GitHub Copilot, DeepSeek, Cursor (Basic), LangChain, CrewAI, OpenAI, Stability AI, ElevenLabs, RunwayML

**Frameworks and Libraries:** React, Next.js, Tailwind CSS, Wagmi, Viem, Ethers, RainbowKit, ENS, Sign Protocol, World Mini Kit, Chainlink, Pinata, Storacha, WordPress

**Web3 & Blockchain SDKs:** Circle CCTP, Polkadot JS, QuickNode (Functions & Stream), Alchemy

**Infrastructure:** Firebase (Realtime & Firestore), AWS (EC2, S3), Vercel, Redis, Git, VS Code

**Design and Presentation:** Figma, Adobe Photoshop, Adobe Premiere Pro, PowerPoint (visual transitions)

## EDUCATION

**Bachelor of Science (Hons) – Computer Science & Artificial Intelligence**

Sep 2021- June 2024

First Class Honours

University of Nottingham Malaysia