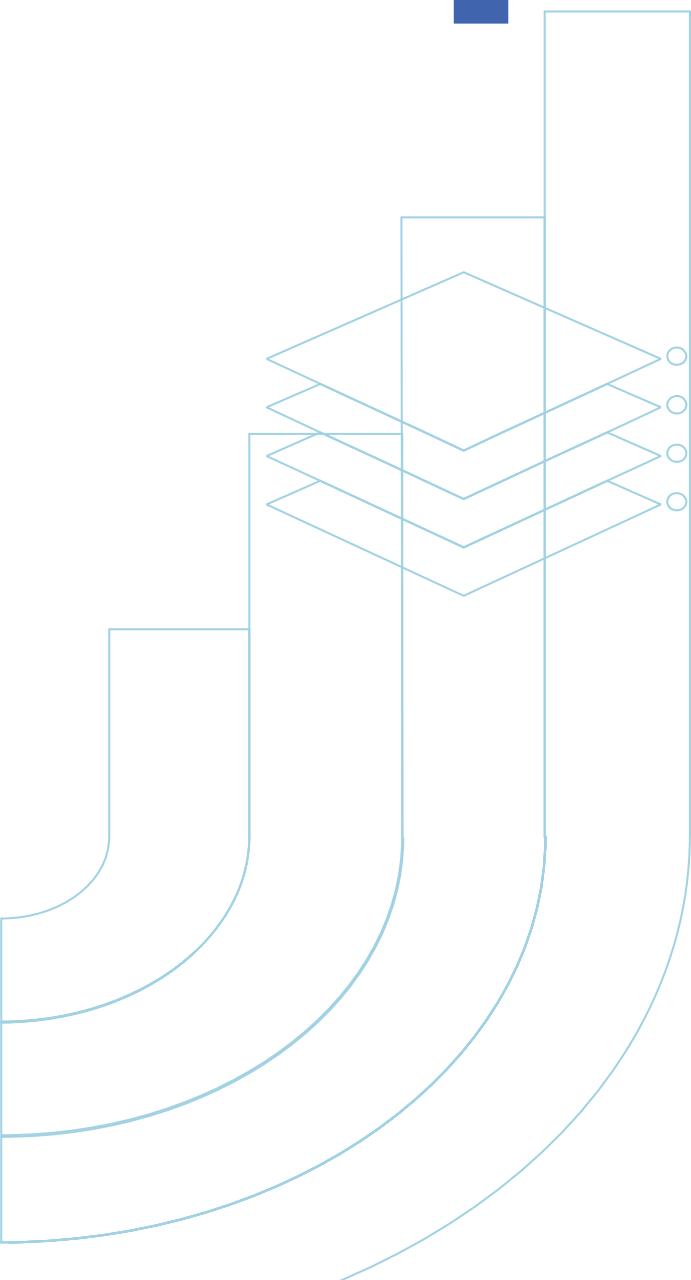


White Paper



DeGrave

The whitepaper is considered to be a working document and will be updated as and when required in line with the latest developments.



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Executive Summary

Founded in 2021, DeGrave.io aims to provide a decentralized blockchain graveyard by creating NFT graves featuring an excellent experience of online commemoration.

DeGrave.io is creating a multi-chain ancestor commemorate platform that will be fulfilled by incorporating Binance Smart Chain and other compatible blockchains. Initially, DeGrave.io has been carefully designed and engineered for its users to create NFT Graves based on the Binance Smart Chain blockchain for memorial and preservation memories.

Our service is supported by the Deathcoin (\$DTC), the native cryptocurrency of the platform. Deathcoin is used primarily as a reward system on DeGrave.io when creating NFT graves, purchasing digital offerings and making cryptocurrencies donations. In order to establish Deathcoin as a valuable cryptocurrency, we will build a decentralized and community-driven interpersonal network. Users are encouraged to use Deathcoin as a trading medium for goods, services and knowledge in real life, Deathcoin eventually will be traded on cryptocurrency exchanges, allowing users to exchange Deathcoin for other legal currencies.

DeGrave.io's mission is to provide an easily accessible ancestor memorializing platform for users despite time and space constraints. To achieve this, we have created a chain-based NFT graveyard featuring a well-designed comprehensive online commemoration system.

We have built our vision of the DeGrave.io ecosystem aligned with the agnostic approach of the industry leaders within the blockchain ecosystem. Incorporating the fundamentals of the decentralized technology with providing interoperability, fast execution and layer 2 solutions within its development roadmaps.

The Problem

Online memorial platform requires attention to detail. The latest technology such as NFTs, cryptocurrency and blockchain technology has failed to be adopted across this ever-growing industry. Other problems are outlined below:

The Deceased

- Online grave is not as valued as the traditional ones
- Easily forgotten by families and friends
- Weak connection with the bereaved and the next generation
- Difficult to collate all medias after death

The Bereaved & The Visitors

- Troublesome commemoration with time and space constraints
- Unpleasant in-person mourning experience with geographic limitation
- Difficult to preserve collective memories with the deceased
- Inadequate payment option for offerings and donations
- Cannot preserve unique memories with the deceased

Why these problems do exist?

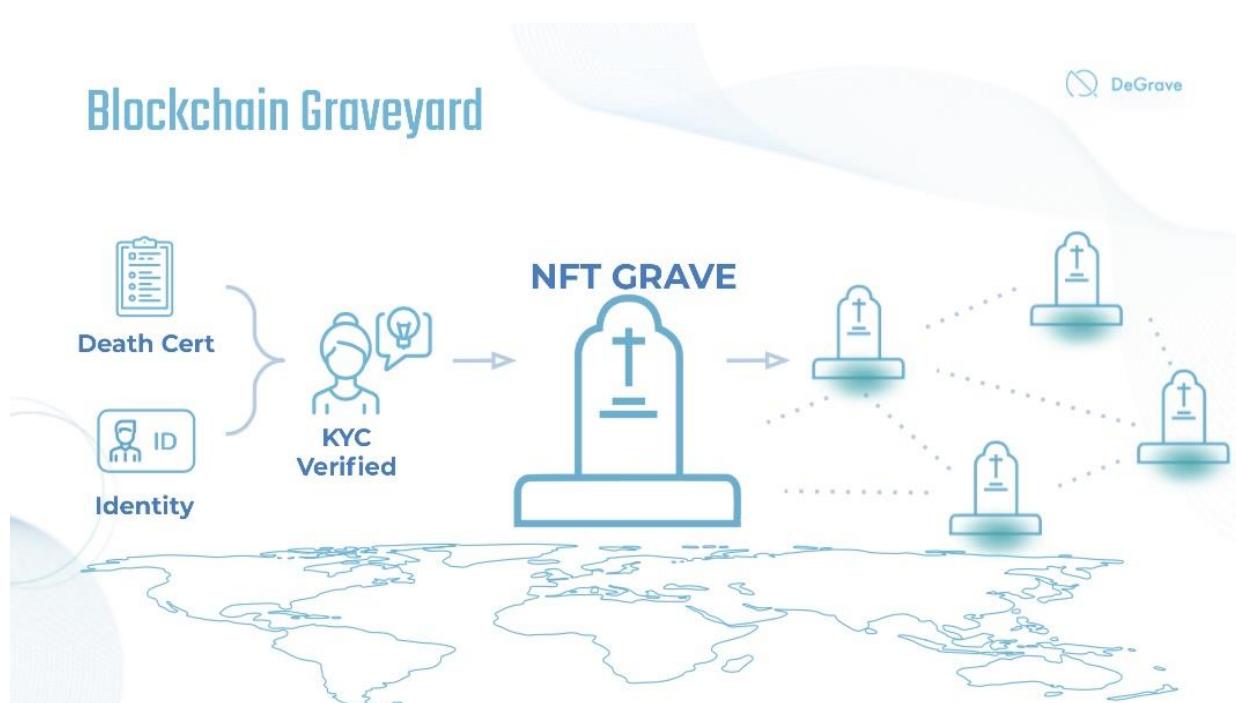
- Lack of sustainable and user-friendly online commemoration platform
- Lack of value in the online grave and commemoration system
- Platforms are not adapting to new trends of blockchain
- Lack of secured payment gateways for making offerings and donations

A successful online commemoration platform should empower the verification value of the grave and the whole commemoration process. At the same time, strengthening the connection between the deceased and the visitors. Leaving trustworthy reviews by users is vital for building the reputation of the platform.

The Solution

DeGrave.io is a blockchain graveyard with online commemoration platform. Users can create NFT grave, collate deceases' social media info, purchase digital offerings and make donations. To create a pre-NFT monument, a user just needs to upload his/her digital information such as pictures and personal information, select the blockchain network and NFT settings. The NFT monument will be created and launched only when the digital signature is generated by verified ID and death cert. Media content can also be designed as NFTs' memorable collection for preservation of the unique collective memory collections with the bereaved, or even trade on DeGrave.io.

We will be initially providing access to the Binance Smart Chain then forming a cross-chain solution to Ethereum Blockchain. Users will be provided with the same service regardless of the chain they choose to utilize. With future scope to allow access to all chains capable of offering NFT graves and other digitized goods.



Moving forward the previously-identified problems for users and worshippers can be addressed below:

DeGrave.io Users / The Bereaved

- Create a valued online grave with a perfect memorializing system supported
- Zero fees for creating NFT grave
- Define scarcity option of NFT grave with KYC and death cert verified
- Receive cryptocurrencies donations through the DeGrave.io platform
- Receive digital offerings from visitors
- Display records of visitors and offerings received
- Share life story with by collating social media accounts
- Create your own NFT memory collections with support for all file types including 2D and 3D media, audio, video, and more
- Store private files that only can be unlocked in full for designated users
- Strengthen the connection with the deceased
- Leverage tokenized rewards
- Leverage blockchain smart contracts to form the trusted layers of the DeGrave.io platform

DeGrave.io Visitors

- Memorize deceases despite time and space constraints
- Trustworthy NFT grave fully belong to the deceased
- Preserve unique memory collections by purchasing NFTs
- Life stories shared by the deceased
- Show remembrance through offerings and donations
- Multiple currency payment options
- Strengthen the connection with the deceased
- Leverage tokenized rewards
- Leverage blockchain smart contracts to form the trusted layers of the DeGrave.io platform

Why are we Different?



Blockchain Graveyard

DeGrave.io creates a non-fungible physical object, **GRAVE**. We build an ecosystem around it which values are held. With the distinct existence of NFT digital signatures on the blockchain, we can create the unique value of the eternal manifestation of an NFT grave to commemorate the deceased. With more and more NFT graves being created on the blockchain, we will create an intangible, environmentally friendly and space-saving Blockchain Graveyard.

Users Verification

DeGrave.io verifies the identity and contributions of users with Blue Check on our ecosystem so as to protect worshippers from fraudulent activity. Accounts with Blue Check means it is a notable and authentic account. For verification, a user must apply within the DeGrave.io platform. Firstly, the account is verified with ID checking using KYC, and afterwards death cert checking before launching NFT grave. In the future, Deathcoin.io will configure an AI capability to perform the verification process.

Online Commemoration System

DeGrave.io allows visitors to purchase digital offerings and make donations to the deceases and their families using Deathcoin. The number of visitors, offerings and donations received will be displayed alongside the monumental page. Social media links, media albums could be to be reviewed by users for recalling their collective memories. Simultaneously, private files can only be unlocked by designated users of the deceased.

NFT Memory Collections

DeGrave.io realizes the rise in the NFT market has created a catalyst for major block-chain protocols to deploy NFTs within their offerings. DeGrave.io resell vertical will allow users to create NFT memory collections on multiple blockchains, a location in which they can allow visitors to purchase those memories in one place. Deathcoin.io intends to bridge the gap of user experience where others lack, providing an all-in-one solution on a multi-chain commemoration platform. *NFT memory collections are not able to be swapped from blockchain to blockchain at this stage.

Reward System

DeGrave.io's token model will reward visitors with tokens. Visitors will be awarded Deathcoin daily when they launch verified NFT graves on DeGrave.io for commemoration. Visitors will also be given the opportunities to earn rewards by performing specific tasks such as referring friends, driving forward the adoption of the commemoration system to new users. There will also be staking rewards for Deathcoin holders. (Please refer to the Token Economics below)

Multi Chain Support

DeGrave.io maintains an open approach to all blockchains and compatibility. We are not limiting our services to a specific blockchain and we intend to provide our users and the entire blockchain ecosystem with a cross-compatible commemoration platform. Initially DeGrave.io is focused on Ethereum and Binance Smart Chain with research undergoing into Crypto.com Chain, Polkadot Chain and others upon our users' request.

Users First Approach

DeGrave.io's initial users will be at the forefront of the adoption of the platform. It is essential for having their say on the developments of product and the platform, see the Token Economics for more details.

Cross-Platform Perpetual Royalties

DeGrave.io will initiate a research and development strategy to implement the ability for users to adopt cross-platform perpetual royalties.

DeGrave.io Platform

Understanding the DeGrave.io Ecosystem

DeGrave.io's ecosystem is configured to meet the requirement in an innovative, robust and user-friendly manner. We are creating a blockchain ancestors commemorate system where users can create NFT graves, digitalized memory collections and collate social media's information whilst allowing information to be transferred among stakeholders securely. Visitors can use Deathcoin to purchase offerings and make donations. The DeGrave.io advertising system allows users on our platform to promote the NFT grave to the top of the web and allows search engine optimization to be maximized. Both DeGrave.io users and visitors can benefit from the multiple rewards related to the Deathcoin reward system.

Multi-Platform Capability

DeGrave.io initially creates a desktop platform followed by an application as displayed in the Roadmap. It is available across all web browsers alongside iOS and Android. The desktop platform is built on various pillars to maximize technological capability. Our desktop platform and application are anticipated to provide the accessibility and functionality of the blockchain protocols in a user friendly and inviting way for those not familiar with blockchain.

Account Module

DeGrave.io's users have the rights to provide personal profile details, pre-create NFT Grave, designate another DeGrave.io's user as pre-NFT Grave ownership, redempt NFT grave by death cert and report illegitimate content. All NFT Grave owners must register DeGrave.io accounts with ID verification through KYC technology. Our system has an account module with support of email and password authentication for users and others federated authentication providers. This account module is user friendly and provides flexibility for personalizing their accounts.

Multi-Chain Support

DeGrave.io has the goal to become a multi-chain ancestors commemorate platform. We will initially focus on Binance Smart Chain with development continuing onto the Ethereum Blockchain and gradually expand our offerings to other smart-contract-enabled blockchains at a later stage. NFTs based on different blockchains are separated and independent. Users will be able to switch between the chains easily on the DeGrave.io user interface however it is not possible to move a minted NFT from one chain to another. An NFT grave creator or owner would have the right to submit their content on multiple blockchains at the time of minting. Initially, Deathcoin will be a BEP20 token on the Binance Smart Chain. The strategic approach of DeGrave.io, as we expand, we do intend to create a bridge between target blockchains such as Ethereum Blockchain to allow our users ease of access to all functionally with the platform.

NFT Specification

DeGrave.io's NFT graves conform to the ERC1155 specification. Our NFTs work with all external systems that support the ERC1155 standard. DeGrave.io's NFT metadata makes use of the same format and rules specified by all leading NFT compatible platforms. Each of our NFT's metadata contains a signature signed by DeGrave.io's system's private key. This means that a user can always identify whether or not an NFT is minted by the DeGrave.io system.

Content Storage

The digital content file is the core part of DeGrave.io NFT Grave and the memorializing system. However, due to the high cost of blockchain storage, it is inefficient to store such a large file on a chain, meaning all digital content files will be stored on the IPFS network, which is a decentralized and mature storage protocol. IPFS identifies files based on their hashes. DeGrave.io stores a digital content's hash into the corresponding NFTs metadata. The metadata itself is stored as a JSON file on IPFS, and the hash of the JSON metadata file is stored on chain as the token URI and hence the integrity of the NFT as a whole is guaranteed. Because a file on IPFS exists only as long as at least one node pins it, our system maintains an IPFS cluster to pin its files. In the future, we may store files on one of the external IPFS service providers instead of or in addition to our IPFS cluster.

Unique Guaranteed

DeGrave.io ensures all users are protected by the hash of an NFTs digital content file which is stored on the blockchain. Since every NGT Grave and memory collection is required for authentication (ID and death cert are required) during the creation process, our system has the capability to ensure its uniqueness. It can prevent a repeat creation. Our digitized system also provides the user with the option to “Report”, a function for users to report fake or duplicated grave or content that is in violation of DeGrave.io’s terms and services. Once reviewed any content or grave that is proven to be invalid, they will be permanently deleted from DeGrave.io’s platform.

User Type

The Creators

DeGrave.io provides the capability for everyone to pre-create NFT Grave on our platform, create their own NFT memory collection which can be preserved for future worshippers to purchase with Deathcoin on our platform. The user will keep in mind to designate a DeGrave.io user for the ownership of the NFT grave and verify his / her death cert when he /she passes away. The designated user will have the right to manage the NFT grave and receive offerings and donations from future worshippers.

The Bereaved

Deceased's family (Designated Users) has a simplified process of listing NFT graves, processing offerings or donations from the worshippers through smart contracts. Our platform focuses primarily on the listing of NFT graves and provides a unique option for the deceased's family to promote the NFT grave on top of the DeGrave.io web.

The Visitors

Visitors experience a simple user interface to ensure they are engaging with a user-friendly commemorate platform. The visitors are able to use the Search Bar to find the corresponding NFT grave of specific deceased, they can also configure their account with social media links for allowing automated NFT grave suggestions of related ancestors they may know with on their homepage. With Deathcoin, visitors can purchase digital offerings and make donations to give support and sympathy with the bereaved.

Business Model

Digital Offerings

Digital offerings can be purchased on the DeGrave.io platform with cryptocurrencies. The numbers of offerings received will be listed on the NFT Grave page of the deceased. Deathcoin will serve as main means of payment within the system, other types of cryptocurrencies are also accepted.

Donations Transactions

The DeGrave.io allows visitors to offer monetary donations to deceased families on our platform with cryptocurrencies, allowing us to generate commissions directly through both the visitors and the bereaved. Our commission fees range will be set as 5% per donation transaction.

NFT Grave Promotion

The DeGrave.io allows users to advertise their NFT Grave on top of the web and allow search engine optimization to be maximized.

Integration Fees

Integration fee is charged when cryptocurrency foundation and/or project who want their cryptocurrency to be listed as a form of payment on DeGrave.io.

Advertising

Deathcoin.io offers direct marketing opportunities to sellers and strategic partners. The cost for this service will be calculated when factors such as ad placement, size and type are considered.

Decentralized Business Model and Governance

DeGrave.io's vision is to migrate over to a fully decentralized business model which is governed by the Deathcoin token holders. Governing areas include; token supply, incentive, rewards, community developments and more. This will be introduced at a later stage when the platform is fully operational with relevant technologies implemented.

DeGrave.io's blockchain software development is potentially be made modifiable through the voting rights granted by the Deathcoin token holders. All holders are given voting rights on selected governance issues relating to our platform. For example, a certain percentage of every digitized goods sold could go into a community fund, with Deathcoin token holders are given the right to vote on the use of funds. The percentage of arranging the sale revenue of digitized goods into a community fund and the right of voting on how to use the funds

This is not limited and it is possible to give the rights to the DeGrave.io community for voting on more fundamental parameters such as fees charged for users and worshippers.

It is essential for DeGrave.io to use this method, the key advantage of decentralized governance in our context is that it increases customer engagement, satisfaction and loyalty. It will provide Deathcoin token holders with the right to vote and provide a purpose to the future of DeGrave.io, aiming to increase the token value whilst building a strong community.



Tokenomics

Overview

The Deathcoin token (\$DTC) will ensure a fully decentralized model of governance. All stakeholders will have a stake in guiding the protocol's development process by voting mechanisms. Therefore, the token is a governance token for the ecosystem.

It is crucial that token holders, that have been given the ability to vote on governance, are bonded to the success of the protocol in some way. This model is a well understood and successful way to ensure an alignment between token holders and the best interests of the protocol.

Also, Deathcoin token plays a vital role in the core business model of DeGrave.io by providing a fundamental backbone to the platform. The Deathcoin token provides additional benefits and enhances user engagement whilst being able to adopt the cryptocurrency for business activity.

The Deathcoin token will be governed by smart contracts pivoting the platform to Web 3.0, maintaining transparency throughout the processes within the platform. We will also explore the token mechanics added by other successful protocols, to see if their incentive mechanisms can supplement the NIIFI token utility. Those mechanics can be brought to the token holders as further recommendations for voting.

Token Utility

Deathcoin will be created on a public ledger and will serve the primary functions below:

Token Holders

- Governance: Allow validated users to influence protocols decisions
- Staking Rewards: Stake Deathcoin to get rewards

NFT Grave Owners

- Receive Deathcoin reward daily when listing NFT Grave
- Reduced commission fees when receiving donations

Ancestors Worshippers

- Receive discounts on purchasing digital offerings and NFT memory collections
- Reduced commission fees when making donations

Token Details

Token Name	Deathcoin
Ticker	DTC
Blockchain	Binance Smart Chain
Token Type	BEP-20
Token Supply	888,888,888

Token Allocation

Category	Supply%	Tokens	Price	Notes
Private Sale including Seed	15%	133.3M	0.0045	Private Investors including VCs
Public Sale	5%	44M	TBC	Public
Development Pool	10%	88M	N/A	Core development and growth
Advisory & Marketing	10%	88M	N/A	Advisory fees & product marketing
Burn Pool	30%	266M	N/A	Tokens for burning in the future
Team	12.5%	111M	N/A	Allocation for team and future team
Future Liquidity	1%	8.8M	N/A	Token Liquidity
Ecosystem Rewards Pool	16.5%	146M	N/A	Pool used to fund the reward system

DeGrave.io will burn at least 30% of Deathcoin total supply. The burning will be gradually implemented through the progressive destruction of Deathcoin tokens.

This burning operation is designed to pursue the following aims:

- To bring the Deathcoin in line with the deflationary philosophy characterizing the crypto space
- To accentuate the scarcity effect around the tokens needed to access use the ecosystem
- To protect token holders from the purely speculative variations of the crypto market

Token Vesting and Emission Details

Category	Vesting%	Tokens	Emission Start	Emissions	Token Emissions p/m
Seed Sale	16.6%	50M	TGE	6	8.3M
Private Sale	20%	83.3M	TGE	5	16.66M
Public Sale	N/A	44M	TGE	N/A	32.12M
Ecosystem Rewards Pool	4.16%	146M	TGE + 3 months	24	6.08M
Development Pool	6.67%	88M	TGE + 3 months	15	5.87M
Advisory and Marketing	3.57%	88M	TGE	28	3.14M
Burn Pool + Liquidity	4.17%	274.8M	TGE + 6 months	24	11.45M
Team	8.3%	111M	TGE + 12 months	12	9.25M

NFT Grave Listing Rewards

Listed NFT grave will be rewarded Deathcoin on a descending trend, DeGrave.io will provide a total of 146,666,666 Deathcoin tokens as listing rewards, the reward system will be terminated once all tokens are rewarded. Detail of the staking reward system are shown below:

Number of Blockchain NFT Graves	Token Rewards	Expected Time Required
First 500 NFT Graves	5 \$DTC / Day	3 Months
1,000 NFT Graves	2.5 \$DTC / Day	6 Months
5,000 NFT Graves	1 \$DTC / Day	9 Months
10,000 NFT Graves	0.5 \$DTC / Day	One Year
30,000 NFT Graves Onwards	0.23 \$DTC / Day	Two Years

Disclaimer

The amounts in the table above are estimates and may slightly vary over time. It is important to note that the reserve is locked and that after it's unlocking it will be used to finance projects related to the ecosystem. The use of these tokens will be subject to a vote of the Deathcoin holders. The percentage distribution of the number of tokens per sub-category of the seed and private sale is not fixed and can be modified to meet the demand within the maximum amount of the category.

Roadmap

2021 Q2

- Conception of the idea
- Design Tokenomics
- Design Go-To-Market Strategy

2021 Q3

- Proving concept viability
- Partners / Marketing Outreach
- Team Building
- Pitch Deck Completion
- Website Completion

2021 Q4

- Public Launch
- Seed Round Token Sale
- Smart Contract Deployment
- Marketing Campaign
- NFT Grave Listing Rewards Start

2022 Q1

- Private + Public Token Sale
- BSC Integration
- Token Generation Event
- Team Expansion

Future Plans

- R&D of IOS and Android Application
- Multi-cryptocurrencies payment method
- Additional Deathcoin Use Cases

Our Team

Co-Founder & CEO – Raphael Lau

With a strong business development background and a key focus on new trends in the market, Raphael co-founded DeGrave.io. He believes what he is doing for blockchain technology currently will revolutionize and redefine the traditional business

Co-Founder & COO – Wynne Poon

Wynne is detail-oriented multi-tasker who thrives in fast-paced environments. She co-founded DeGrave.io, steps into the blockchain industry which is going to be the global trend.

Co-Founder & COO – Vincent Wong

A blockchain technology enthusiast and software engineer with experience in leading and managing multiple startups R&D team development. Currently, DeGrave.io development team led.

CCO – Curtis AuYeung

Curtis is skilled in the production of high-quality design concepts and strategies with the ability to utilize different software for the successful creation of new ideas and concepts.

CIO – Benedict Casino

A seasoned software engineer equipped with prior knowledge and key involvements in programming and Machine Learning. Pursuing development and growth in the blockchain technology environment.

CFO – Kenny Wong

Expert at financial analysis, forecasting and excel modelling whilst minimizing business risk. Businesses under Kenny's control are equipped with the tools necessary to meet aggressive sales and growth plans.