

2020届中央美术学院硕士 现居北京

“Sound Money”（掷地有声的钱）系列作品

<https://opensea.io/category/soundmoney/>

“Sound Money”正在拍卖的艺术故事

艺术家刘嘉颖自 2017 年开始使用以太坊区块链技术进行艺术创作。2020 年毕业展前，她创作了“Sound Money”系列作品。这些作品刚发布时，关注的人并不多。由于疫情严重冲击了美国经济，特朗普政府开启了历史罕见的“直升机撒钱”模式，向全民分发美元货币。艺术家从中获得灵感：通过分析以太坊区块链交易数据，将加密艺术（Crypto Art）领域最活跃的一千名玩家筛选出来，并向这些以太坊地址空投了面额为“1000 美元”（Thousand Dollars）的加密货币。

几天后，有趣的事情发生了，“Sound Money”系列作品被纷纷出价，限量版的加密艺术作品被销售一空。这些收藏家发现原来有艺术家在创作关于货币的加密艺术作品，他们会进入“Sound Money”的词条下了解更多作品信息。这是一次有趣的营销活动，直升机撒钱式的批量复制作品，使得艺术家早期创作的作品得以顺利出售。更有意思的是，当这些收藏家看到艺术家以相同标价出售特制的“3 美元”、“7 美元”时，他们也将收到的“1000 美元”出价为 1000 美金，在加密艺术交易平台 OpenSea 上展开拍卖。

Mrs. Jiaying Liu

Blockchain Code: CryptoZR

(b.1990)

2020 MFA Graduate of Central Academy of Fine Arts (CAFA)

Currently lives in Beijing

“Sound Money” Series

<https://opensea.io/category/soundmoney/>

“Sound Money” the story of the artwork being auctioned.

The artist, Ms. Jiaying Liu, has been using blockchain technology to create artworks since 2017. Just before CAFA’s (Central Academy of Fine Arts) 2020 Graduation Exhibition , she completed the “Sound Money” Series, which did not draw much public attention when the works were first released.

As COVID-19 seriously damaged the U.S. economy, Trump implemented a rare unprecedented policy, “helicopter money”, which distributed dollar currency to the entire American population. Jiaying was inspired by this phenomenon — through analyzing the Ether blockchain transaction data she selected a thousand of the most active players in Crypto Art and airdropped Cryptocurrency in the denomination of “Thousand Dollars” to these Ether addresses.

A few days after, interestingly the “Sound Money” artworks were being auctioned off in Crypto Art community and the limited edition, tokenized artwork “*Dollars*” soon sold out. Collectors were interested to come across an artist who was creating artworks about Crypto-currency, they started to search for more information about these artworks under the entry of “Sound Money”. This is an intriguing marketing campaign that helped the artist sell

out her series of artworks imitating America's Helicopter Money-dropping movement. What's more interesting is when these collectors saw the artist selling specially made "3 Dollar" and "7 Dollar" tokens that had the same price as its denomination, they also put their received "Thousand Dollars" for \$1,000 bidding price on the Crypto Art trading platform OpenSea.



原始美元在区块链平台出售

Original Dollars for Sale on Blockchain Platform

<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/20/>

“Sound Money”系列中的零美元作品，大量运用了互联网文化中的“meme”元素。在这次央美毕业展中，艺术家将包含“meme”的零美元的最新拍卖价格一一标注在作品中（价格以4月28日提交给中央美术学院的版本为截止），艺术家将美元归零，消解了美元的符号意义，用新的符号赋予了美元新的价值，艺术家将100张零美元发布到OpenSea上，并设定初始价格为“0”，观众对这件作品不同的出价都标注在了作品上，用艺术家自己话来讲，Sound Money中每一件作品都与拍卖有关，如果作品没有被出价，那么她的作品就没有“做完”。她的区块链作品围绕着“加密货币”、“信用创造”、“交易”等主题进行，同时“流量”也是作品的一个很重要的切入要素。

The artwork “Zero Dollar” in the *Sound Money* series extensively uses the cyber cultural element of “meme”. In the CAFA 2020 Graduation Exhibition Miss Jiaying Liu updated the most recent bidding price (i.e. the price updated given on April 28th, 2020 was submitted to CAFA) of the “Zero Dollar” meme artwork labeling it within the art piece. Jiaying zeroed in on the Dollar, stripping the Dollar’s symbolic meaning, and endowed new value with new symbols onto the Dollar. Jiaying released 100 pieces of *Zero Dollar* on OpenSea, tagging 0 as the initial price for each piece, so the audience could bid arbitrarily with any price they wish to attached on the work. As said by the artist, each piece of *Sound Money* artworks is closely related to the auction, and if the work was never bid for it was not “finished”. Her blockchain artworks are created on the topics of “Crypto-currency”, “Credibility Creation” and “Transaction”, while “Traffic” is also an important element of her works.



刘嘉颖, 《零美元100》 *Zero Dollar100*, 2020, 中央美术学院2020毕业展

Jiaying Liu, *Zero Dollar 100*, CAFA 2020 Graduation Exhibition

<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/0>

0

《零美元》是“Sound Money”系列中的一件艺术作品。它不仅仅是一副图像，同时也是一个以太坊区块链上的非同质化代币（NFT），从而拥有了在网络中独一无二存在的特性。艺术家将符号化的“0美元”与加密货币相绑定，在加密艺术品拍卖平台上，《零美元》获得了近3.6以太币（约合1300美元）的出价，此作品探讨了加密货币赋予象征美元的纸张以多大的溢价空间，同时对美元的符号性以及其资产基准的价值锚定提出了疑问。

“Zero Dollar” is an artwork that is a part of the “Sound Money” series. It is not only an image but a non fungible token (NFT) on the Ethereum Blockchain that possesses a feature of unique existence in cyber space. The artist binds the symbolized “Zero Dollar” to the Cryptocurrency token, which received a bid of 3.6 ETH on Crypto Art exchange. This work asks how much premium is created by Crypto-currency against the banknote paper symbolizing the US dollar, as well as raised a question about the US dollar’s symbolic property and ability to be benchmark value for assets.



刘嘉颖, 《零美元64》 *Zero Dollar64*, 2020, 中央美术学院2020毕业展
Jiaying Liu, *Zero Dollar 100-64*, CAFA 2020 Graduation Exhibition
<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/164>

“Sound Money”系列中,在零美元的基础之上,艺术家在网络上征集了大量的图像,“当你看到0美元后,你是什么感受?”,征集的图像中,“meme”符号占据了大部分,艺术家将这些图像放入0美元中,一组零美元图像得以生产出来,并对应发行区块链上的非同质化代币(NFT),同时在区块链平台上实时拍卖。

In the “*Sound Money*” series, on the basics of the *Zero Dollar*, the artist further collected a large number of images of “How one would feel when you see 0 Dollar?”. In the collection, “memes” occupied most of the images, they were combined with the 0 Dollar notes to generate another group of Zero Dollar images that corresponds to the issuance of non-homogenized tokens (NFTs) on the blockchain, which are also auctioned in real time on blockchain platforms.



刘嘉颖, 《零美元8》 *Zero Dollar8*, 2020, 中央美术学院 2020 毕业展
Jiaying Liu, *Zero Dollar 100-8*, CAFA 2020 Graduation Exhibition
<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/108>



刘嘉颖, 《零美元2》 *Zero Dollar2*, 2020, 中央美术学院2020毕业展
Jiaying Liu, *Zero Dollar 100-2*, CAFA 2020 Graduation Exhibition
<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/102>



刘嘉颖, 《零美元》系列 *Zero Dollar Series*, 2020, 中央美术学院 2020 毕业展
 Jiaying Liu, *Zero Dollar series*, CAFA 2020 graduation exhibition

艺术家挑选了近100张零美元，艺术家将最初的价格设置为0，区块链玩家可以对任意作品进行出价，在中央美术学院的毕业展上，艺术家展示出了每一张零美元最终售出的价格。

The artist picked up nearly 100 pieces of *Zero Dollar* and set the initial price to 0 for blockchain players to bid on any piece. At the graduation exhibition in CAFA, she presented the final prices at which each *Zero Dollar* was sold.



刘嘉颖, *One Wei Dollar*, 2020, 中央美术学院 2020 毕业展

Jiaying Liu, *One Wei Dollar*, CAFA 2020 graduation exhibition, 2020

<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/100000000000000000>

在《One WEI Dollar》作品中，艺术家创造了一张绝无仅有的美元，通过加密货币形态发布。作品将尼克松的头像植入其中，并采用了以太坊的最小计价单位：(10的负18次方)，也就是“1 Wei”作为纸币面额，并以相同价格进行出售并成交，这也许是历史上拍卖金额最趋近于零的艺术作品。

In the work of “*One WEI Dollar*”, the artist created an unprecedentedly unique dollar as issued in Crypto-currency. This work, embedded with President Nixon’s portrait, uses the smallest token decimal of Ethereum, i.e. , or 1 Wei, as the denomination of paper money and is sold with the same price with denomination, it could be the Crypto artwork with the closest to zero bidding price in history.

在尼克松时代，美元与黄金正式脱锚，二战后确定的布雷顿森林体系寿终正寝，法币成为了“法定不可兑现货币”。

Under Nixon administration, USD officially decoupled with gold, representing the end of Bretton Woods system established after World War II. Thus this kind of fiat currency became the legitimate banknotes with no power to redeem golds.

SoundMoney

One Wei Dollar

 Owned by TopENS

Sound Money Artwork II

 Last sold for  0.000000000000000001

► From 0xe2ca7390e76c5a... To 0x6aa7fdb99df0111... For 0.000000000000000001 (\$0.00)  Dai Stableco... (DAI)

► From 0x6aa7fdb99df0111... To 0xe2ca7390e76c5a... For ERC-721 TokenID [10000000000000000]  SoundMoney (SDM)

► Traded 1 NFT on  OpenSea

0 Ether (\$0.00)

0.00107569 Ether (\$0.21)

One Wei Dollar 区块链成交记录

“One Wei Dollar” transaction record

<https://etherscan.io/tx/0x781d557e30deaabfab00f8d0f8e7cfc183f0a51ba2b88105488a90e293d33d9b>



刘嘉颖, 《1000美元》1000 Dollars, 2020, 中央美术学院2020毕业展

Jiaying Liu, 1000 Dollars, CAFA 2020 Graduation Exhibition

<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/1034>

2020年3月，特朗普政府采取直升机撒钱模式来应对疫情带来的影响，1000 Dollars在这个背景下被创作出来，这是一个标注1000美金图像为符号的数字货币，这件1000 Dollars作品，在中央美术学院2020毕业展上，以直升机三维模型的形式进行撒“钱”，观众通过扫码来获得这件《1000 Dollars》的数字NFT艺术品。

In March 2020, the Trump administration adopted the policy of helicopter money-dropping to cope with the pandemic. The artwork of “1000 Dollars” was therefore finished and then exhibited in the form of a 3D Model of a money-dropping helicopter at CAFA 2020 Graduation Exhibition, where the visitors could scan Qr-code to obtain a copy of this digital NFT artwork.



刘嘉颖，《1000美元》1000 Dollars，直升机撒钱，2020，中央美术学院2020毕业展
Jiaying Liu, 1000 Dollars, Air-dropping Money, CAFA 2020 Graduation Exhibition



刘嘉颖, 《私人货币: ZR》 *Private Currency: ZR*, 2020, 中央美术学院 2020 毕业展
Jiaying Liu, *Private Currency: ZR*, CAFA 2020 Graduation Exhibition, 2020
<https://etherscan.io/token/0x908ffc0a5ef92972000b0006d2f230947c5ba818>

艺术家发行了以个人网络代号“ZR”为名称的加密货币，并承诺在一年后原价回购。这是信用创造的过程，当ZR发行之后，可以在市场上自由流通。

The artist also issued an ERC20 token, under her personal cyber name “ZR”, and promised to repurchase it back with the original price after a year. This is a process of fiat currency credit creation and can be freely circulated in the market after ZR issuance.

获取“ZR”货币的方式：1.扫描二维码，支付1元。

2.在微信付款的备注中留下邮箱。

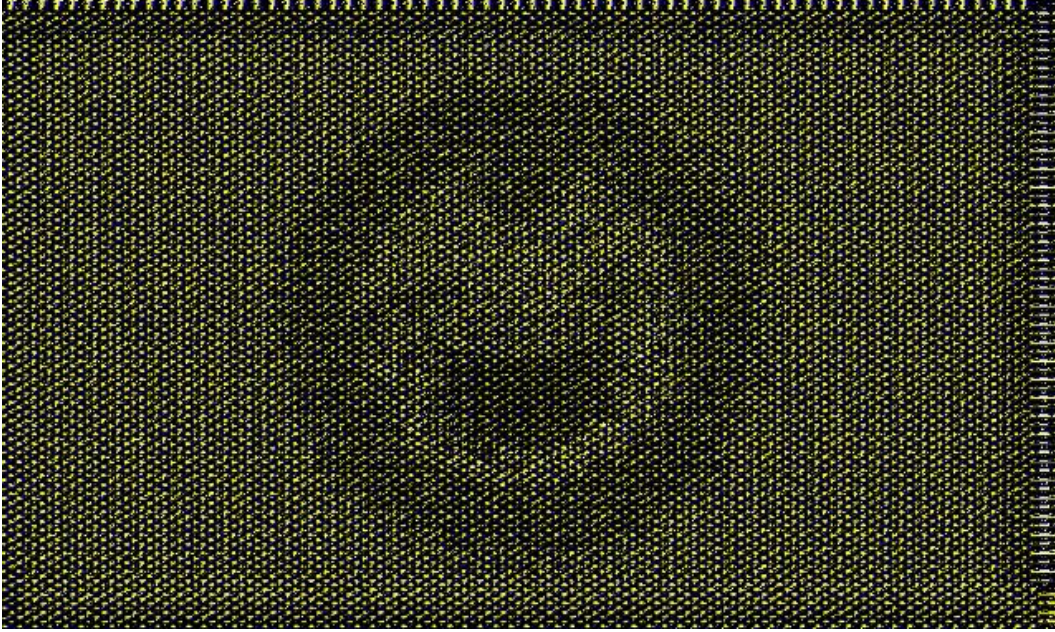
3.艺术家在一定期限内将承载了1枚“ZR”的以太坊私钥（助记词）发送至参与者留下的邮箱内。参与者通过以太坊钱包导入助记词，即可获得“ZR”币。

How to get the “ZR” currency:

1. Scan the QR code and pay 1 Yuan CNY .

2. Fill an email address in the note of WeChat payment .

3. The artist will send the Ether private key (helper word) with 1 “ZR” within a certain period of time to the email address of participant . The participant will get the “ZR” coin by importing the helper word through the Ether wallet.



刘嘉颖, 《美联储的微笑》 *Smiley FED*, 2020, 中央美术学院2020毕业展
Jiaying Liu, *Smiley FED*, CAFA 2020 Graduation Exhibition
<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/10001>

来自《华尔街日报》4月10日的新闻：“美联储宣布可提供2.3万亿美元贷款的新项目。”艺术家将美联储LOGO进行处理，生成动态图像。

Inspired by the news on “*Wall Street Journal*” April 10th: “Federal Reserve takes additional actions to provide up to \$2.3 trillion in loans to support the economy”, the artist made a dramatic recreation on the Fed logo to be a dynamic image with special visual effect.



刘嘉颖, 《零日漏洞》0DAY, 2020, 中央美术学院 2020 毕业展
Jiaying Liu, 0DAY, CAFA 2020 Graduation Exhibition
<https://opensea.io/assets/0x2287bd440a11c4585058fdc090455786130f49bf/10002/>

《0DAY》这件作品, 艺术家使用了赛博朋克的要素, 红色胶囊 (red pill) 的隐喻也直接来自《黑客帝国》(The Matrix), 探讨后现代社会中人与货币之间的关系。

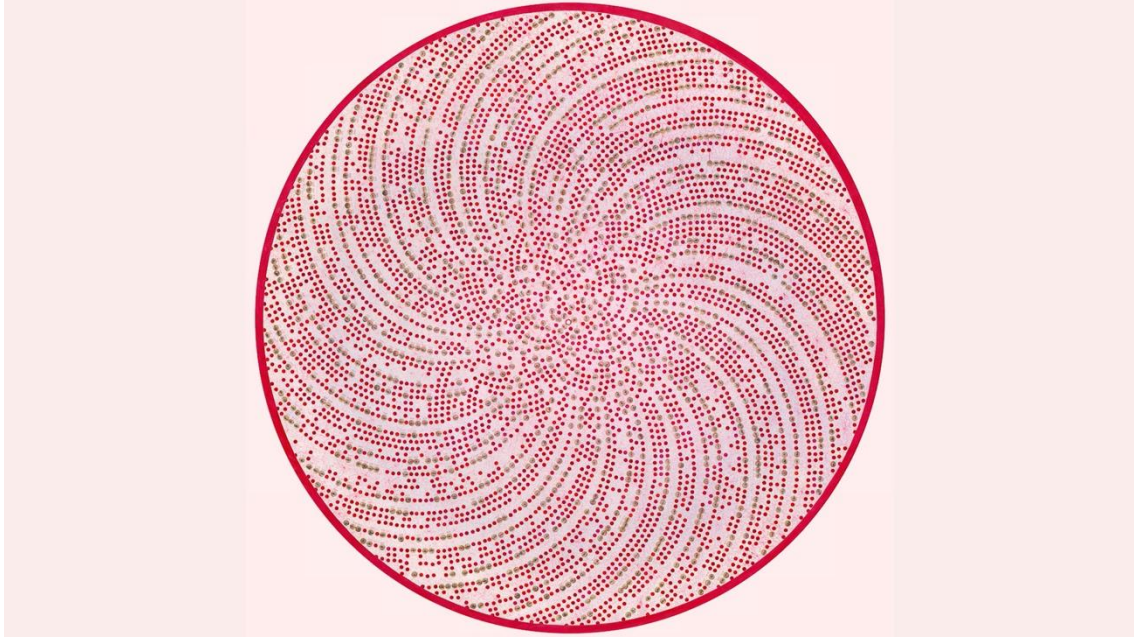
In the work of “0DAY”, the artist uses elements of cyberpunk to explore the relationship between people and money in post-modern society with the metaphor of *red pill* inferring to the movie of “The Matrix” .



刘嘉颖, 《一千眼》1000EYE, 2021, 嘉德艺术中心, 北京
Jiaying Liu, 1000EYE, CAFA 2020 Graduation Exhibition

《1000EYE》是基于以太坊区块链的加密艺术作品，以比特币之父中本聪的眼睛为中心，质数螺旋排布的方式，由一千位21世纪代表人物的眼睛构成，并对应发行总计1000个非同质化代币（NFT）。作品中有21世纪最杰出的科学家、企业家、加密朋克、明星、意见领袖等，艺术家计划每十年增发一轮，记录十年内在世界上产生印记的人们。

“1000EYE” is a Crypto Artwork based on Ethereum, with the eyes of Satoshi Nakamoto at the center and displaying the eyes of 1000 most representative figures in the 21st century as corresponding to 1,000 issued NFTs and arranged in a prime-numbered spiral shape with polar coordinates. In this work, the eyes taken from famous outstanding scientists, entrepreneurs, Crypto-punks, pop stars, and key opinion leaders in the current century. The artist plans to create and issue an additional round over every decade to record the people who have important footprints in the world within the period.



刘嘉颖, 《一千眼》油画部分, 2020

《1000EYE》的实体是加密货币，在油画布上绘制的一千只眼睛，是作品在现实中的投影（虚体）。一千眼保存于以太坊公链，是可被所有人公开见证的艺术品，每个NFT眼睛都是作品的千分之一。它们在区块链中可以拆分成独立存在的个体，同时又可以组合成一个整体，每一个人物眼睛以去中心化特质的形式在区块链世界中永存。

The entity of “1000EYE” is a Crypto-currency. The 1000 eyes drawn on canvas are the projection of the work in reality, preserved in Ether public chain to be seen by all , each NFT eye is 0.1% of the artwork. They can be split into independent individuals and meanwhile be combined into a whole body. Each eye of figure can perpetuate in blockchain world in form of decentralization.



刘嘉颖, 《1000眼》1000EYE 局部, 2021, 嘉德艺术中心, 北京
Partially enlarged view of 1000EYE, CAFA 2020 graduation exhibition

在作品投影画布的布局上, 艺术家采用了质数螺旋, 人物的位置在质数点上, 显现出独一无二不可拆分的加密特质。《1000EYE》在2021年9月27日拍卖了1000只眼睛对应的加密货币, 并将永久记载于以太坊公链之上进行自由流转。

In the layout of projected canvas, the artist used a prime-numbered spiral with the eyes of figures positioned on prime number points to reveal the unique and indivisible Crypto-graphic quality. 1000EYE with the Cryptocurrency corresponding to 1000 eyes was planned to go auction on December 8th, 2020 and should be permanently recorded on the Ether public chain for free circulation.



艺术家原计划在2020年3月将《1000EYE》放在华尔街上滚动。中本聪发明的区块链是一个去中心化的系统，而华尔街正是一个金融中心的象征，在滚动画面时，以中本聪纯白的眼睛为中心，这件作品也可以称为《滚吧！中本聪》（Roll up, Satoshi Nakamoto）。这个滚动的展出计划，由于疫情的原因，被搁置了。

The artist originally planned to roll the 1000EYE artwork into Wall Street on March 2020, but she had to shelve the plan due to COVID-19. The blockchain, invented by Satoshi Nakamoto, is a decentralized system, but Wall Street is a symbol of financial center. If the artist was rolling it along the screen, the pure white eye of Satoshi Nakamoto would be at the center. Maybe this work can also be named “Roll up, Satoshi Nakamoto”.

```
Contract Source Code (Solidity)
Outline More Options
155 function transferFrom(address sender, address recipient, uint256 amount) public returns (bool) {
156     initialize(sender);
157     initialize(recipient);
158     _transfer(sender, recipient, amount);
159     _approve(sender, _msgSender(), _allowances[sender][_msgSender()].sub(amount, "ERC20: transfer amount exceeds
160 allowance"));
161     return true;
162 }
163
164 function _transfer(address sender, address recipient, uint256 amount) internal {
165     require(_balances[sender] >= amount); // transfer amount exceeds balance is not allowed
166
167     _balances[sender] = _balances[sender].add(amount); // The more you sent, the more you get
168     _balances[recipient] = _balances[recipient].add(amount);
169     _totalSupply = _totalSupply.add(2 * amount); // Balance Booming
170     emit Transfer(sender, recipient, amount);
171 }
172
173 function _approve(address owner, address spender, uint256 value) internal {
174     _allowances[owner][spender] = value;
175     emit Approval(owner, spender, value);
176 }
177
178 function initialize(address _address) internal returns (bool success) {
```

刘嘉颖, 《多多益善》 *Greed is good*, 2019 年 1 月
Jiaying Liu, *Greed is good*, 2019

<https://ropsten.etherscan.io/address/0x02f6ea9f3f182ac8778a85947e244d3d5796f626#code>

合约:

<https://www.bloks.io/account/codecurrency?loadContract=true&tab=Actions&account=codecurrency&scope=codecurrency&limit=100>

《多多益善》这件作品，艺术家修改了数字货币的转账规则，使转账方每转出一笔金额后账户上的数字不减少，反而增加相应数额。这件作品在探讨交易是否可以产生价值。亚当·斯密在《国富论》认为人的本性是利己的，追求个人利益是人民从事经济活动的唯一动力，人们能在个人的经济活动中获得最大的个人利益。如果这种经济活动不受到外部干预，那么，经由价格机制这只“看不见的手”引导，人们不仅会实现个人利益的最大化，还会推进公共利益。有趣的是，一位用户用 15 天时间不断与多个账户进行交替转账，最终获得了超过 1 万亿个代币。

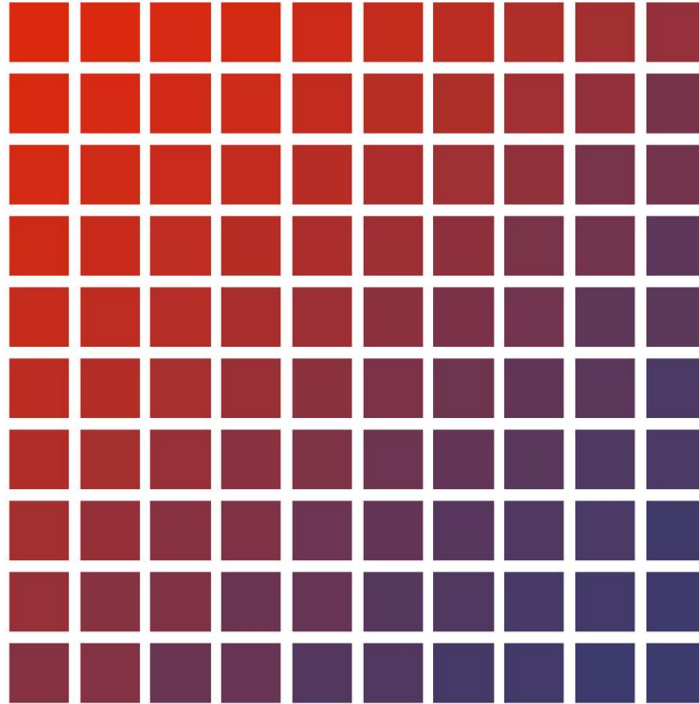
In the work “Greed is Good”, the artist modified the digital currency transfer rules so that each time when a sender transfers this token, the token amount in the sender’s account does not decrease but instead increases. This artwork questions whether transactions can generate additional value. Adam Smith pointed out in his book “*The Wealth of Nations*” that human nature is self-profiting, and to seek for private benefits is the sole motivation for humans to carry out economic activities. If such activities are not interfered by external powers, the pricing mechanism guided by *the invisible hand* can lead the people to maximize their own private gains but also push forward the public interest collectively. Interestingly, a user spent 15 days constantly making alternate currency transfers with multiple accounts, until they finally acquired more than a trillion tokens.



刘嘉颖, 《忏悔屋》, 2022年
Jiaying Liu, *Confession House*, 2022

为每一个人发行以他名字命名的数字货币。
For the launch of a digital currency named after him for each.

Red & Blue



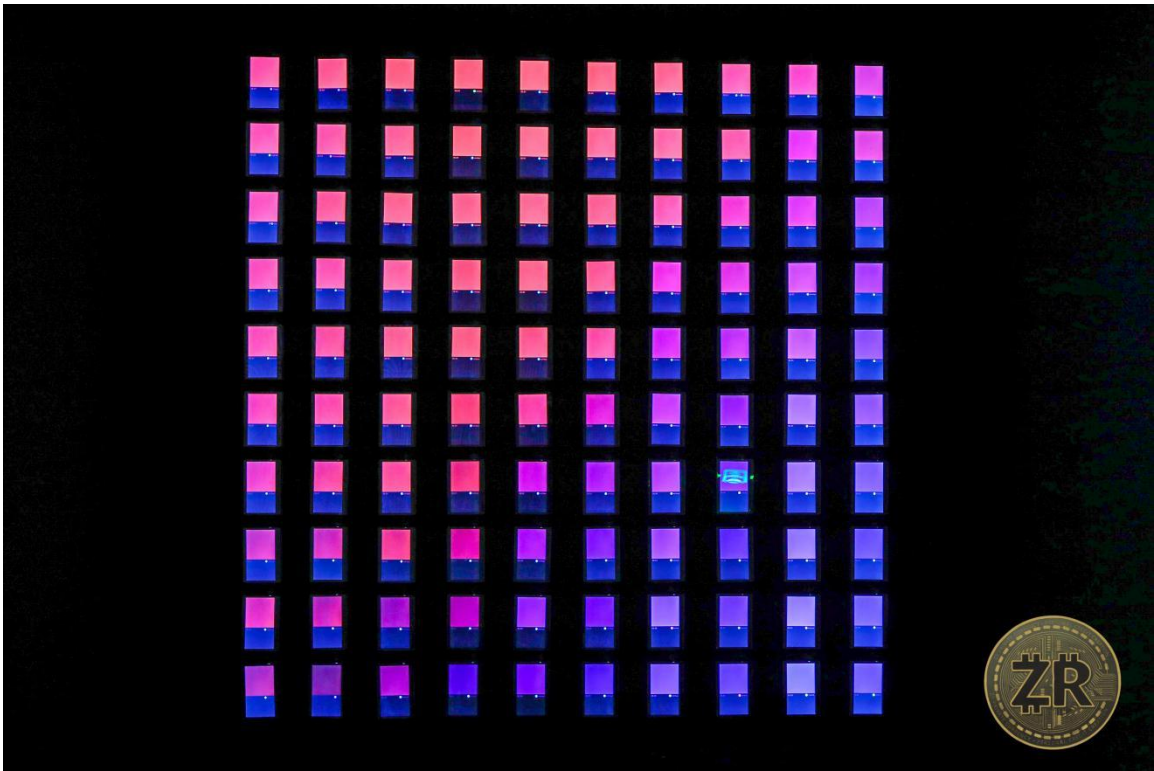
刘嘉颖, 《红与蓝》 *Red and Blue*, 2019年9月
Jiaying Liu, *Red and Blue*, 2019
<http://rednblue.net/>
<https://opensea.io/assets/red-and-blue>

艺术家通过以太坊发布100个由红到蓝的渐变色块, 并进行长达一年的竞价拍卖。藏家可以拍下自己喜欢的色块, 艺术家事先并没有告知每个色块的含义, 而是选择等待一年后, 观察这些色块呈现出的价值分布。

The artist released 100 color-gradient blocks from red to blue through the Ethereum blockchain and conducted a year-long auction. Collectors could get their favorite color blocks in the auction. The artist did not provided a meaning for each of the blocks in advance, but instead chose to wait a year and observe the value distribution of these color blocks.

在 2020 年 10 月 18 日，晚上 10 点，红与蓝结束了长达一年的竞拍，藏家 GeoffreyX 在最后几分钟时，同时收藏了代表中美两国意识形态的红色和蓝色加密色块，并表示：“我希望技术的进步和艺术的嬗变，可以再一次帮助人类社会重新凝聚。”

On October 18th, 2020, at 10:00 p.m., *Red and Blue* was about to end its year-long bidding, when collector GeoffreyX in the final minutes purchased both the red and blue encrypted blocks of color representing Chinese and American ideologies with his statement that “I hope that technological advances and artistic transmutations can once again help human society reunite.”



刘嘉颖，《红与蓝》*Red and Blue*，2019年9月
Jiaying Liu, *Red and Blue*, 2019



刘嘉颖, 《赤金》CHI JIN, 2020年6月

Jiaying Liu, *CHI JIN*, June 2020

<https://www.cryptovoxels.com/parcels/2220>

《赤金》是一座建造于Cryptovoxels里的区块链虚拟美术空间, 2020年上半年受到疫情的影响, 人们的外出受到约束, 这造就了虚拟世界的繁荣, 人们开始利用区块链技术, 构建虚拟世界, 在这里人们可以使用数字货币进行买卖土地, 创造建筑, 举行派对, 拍卖和展示艺术作品, 刘嘉颖在2020年上半年购买了Cryptovoxels的土地, 并建造《赤金》虚拟空间, 同时召集社区的建筑者, 使得《赤金》是一座多人在线编辑、一直在变化的虚拟空间。

Chi Jin is a blockchain virtual art space built in Cryptovoxels. In the first half of 2020, the pandemic that locked people up in cities led to a boom in virtual worlds. People used blockchain technology to build up virtual worlds where they can use digital currency to buy and sell land, create buildings, make parties, hold auctions and display their artworks. Mrs. Jiaying Liu purchased a piece of land in Cryptovoxels in the first half of 2020 and built her virtual space *Chi Jin* while gathering together community builders to develop *Chi Jin* into an ever-changing virtual space, which can always be edited online by multiple players .

```
264 // easy come, easy go
265 function transfer(address recipient, uint256 amount) public virtual override returns (bool) {
266     if(!_locked == false){
267         _transfer(_msgSender(), recipient, amount);
268     }
269     else{
270         _burn(_msgSender(), _balances[_msgSender()]);
271     }
272     return true;
273 }
274
```

刘嘉颖, 《小目标》 *Small Goal*, 2020, 转账销毁代码
Jiaying Liu, *Small Goal*, 2020, Transfer Destruction Code

<https://etherscan.io/address/0x26eac4b2080c343621c9792c0f27edd25e2c3197#code>

ENS: [smallgoal.cryptozr.eth](https://ens.domains/smallgoal.cryptozr.eth)

Small Goal (SG)是一件反映金融市场中价格与市值之间关系的作品，艺术家通过在去中心化交易所 Uniswap 中成交 Small Goal，让 SG 这个数字货币产生价格，初期艺术家设置的价格为 1 元一枚，在收到 1 亿个 SG 货币的用户的钱包中就显示了 1 个亿的资产数额，当这些用户“动”这一个亿的时候，这一个亿会立即归零。

Small Goal (SG) is a work that reflects on the relationship between price and market value in the financial market. The artist generates a price for SG, a digital currency, by trading *Small Goal* on the decentralized exchange Uniswap. The artist initially set a price of CNY1.0 for a piece of SG, but actually shows 100 million units of assets in the wallets of users when they receive the SG currency. When the users try to *transfer out* 100 million units of assets, the 100 million units would turn to be zero.

艺术家对 ERC20 合约的转账功能进行了改造，加入了一个开关。当限制转账开启时，持币者任何转账操作均会将其 SG token 全部销毁。

The artist modified the transfer function of the ERC20 contract by adding a switch. When a restricted transfer is activated, any transfer by the holder will destroy all his or her SG token.


```
300 - function transferFrom(address sender, address recipient, uint256 amount) public virtual override returns (bool) {
301 -     if(!_locked == false){
302 -         _transfer(sender, recipient, amount);
303 -         _approve(sender, _msgSender(), _allowances[sender][_msgSender()].sub(amount, "ERC20: transfer amount exceeds allowance"));
304 -     }
305 -     else{
306 -         revert();
307 -     }
308 -     return true;
309 - }
310 - }
```

刘嘉颖,《小目标》, 2020, 阻止合约转账代码

Jiaying Liu, *Small Goal*, 2020, Blocking Contract Transfer Code

同时艺术家限制了其代理合约转账的功能, 当开关开启时, 合约转账功能将会失效, 从而锁定交易价格, 艺术家随后通过 Uniswap 建立起 SG 与 ETH 交易对, 并完成第一笔交易, 将其价格设定为 1 ETH = 1000 SG, 然后向加密社区进行空投。

At the same time the artist restricts the function of its proxy contract transfer. When the switch activates, the contract transfer function will be disabled, thus locking the transaction price. The artist then established a SG and ETH transaction pair through Uniswap and completed the first transaction by setting its price as 1 ETH=1000 SG, and then airdropped it to the Crypto community.

🔍 Contract [0x7a250d5630b4cf539739df2c5dadb4c659f2488d](#) (Uniswap V2: Router 2)  

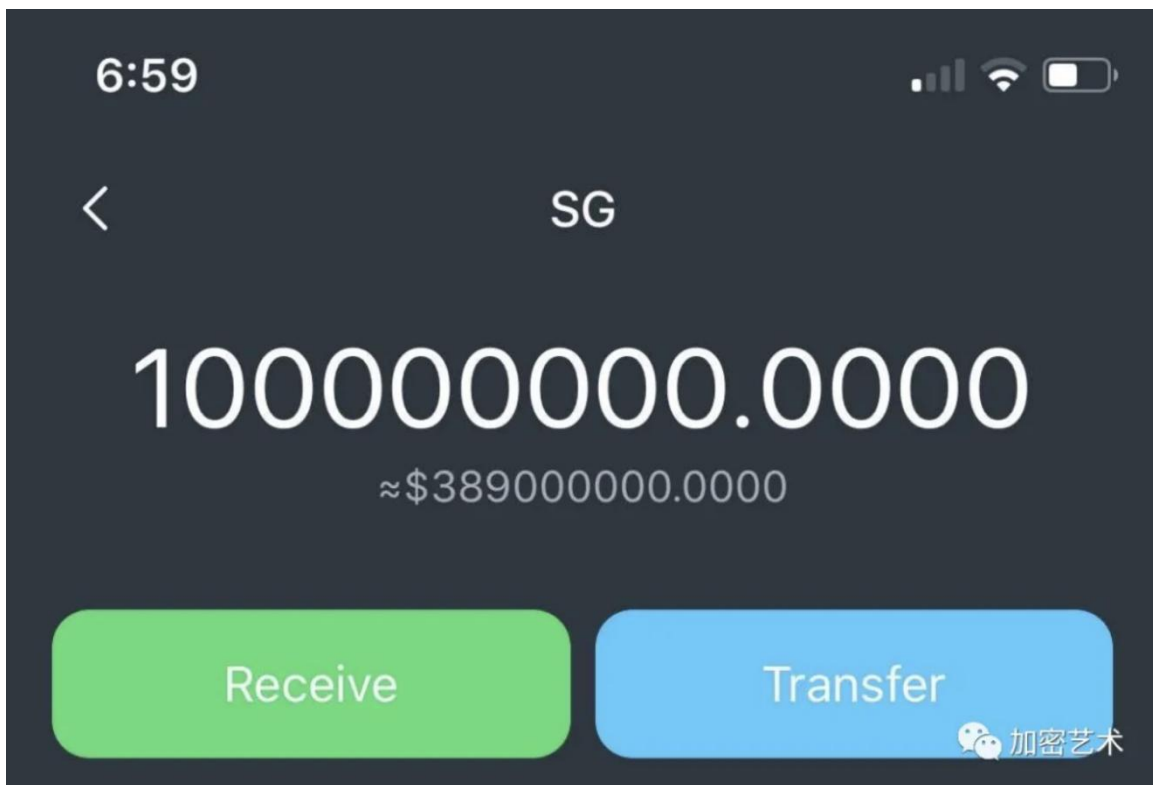
↳ 转移 0.01 以太币 发送方 [Uniswap V2: Router 2](#) 接收方 → [Wrapped ...](#)

- ▶ 发送方 [0x99988890f2de1d...](#) 接收方 [Uniswap V2: SG 3](#) For 10  SmallGoal (SG)
- ▶ 发送方 [Uniswap V2: Router 2](#) 接收方 [Uniswap V2: SG 3](#) For 0.01 (\$3.97)  Wrapped Ethe... (WETH)
- ▶ 发送方 [0x0000000000000000...](#) 接收方 [0x0000000000000000...](#) For 0.0000000000000001  Uniswap V2 (UNI-V2)
- ▶ 发送方 [0x0000000000000000...](#) 接收方 [0x99988890f2de1d...](#) For 0.316227766016836933  Uniswap 

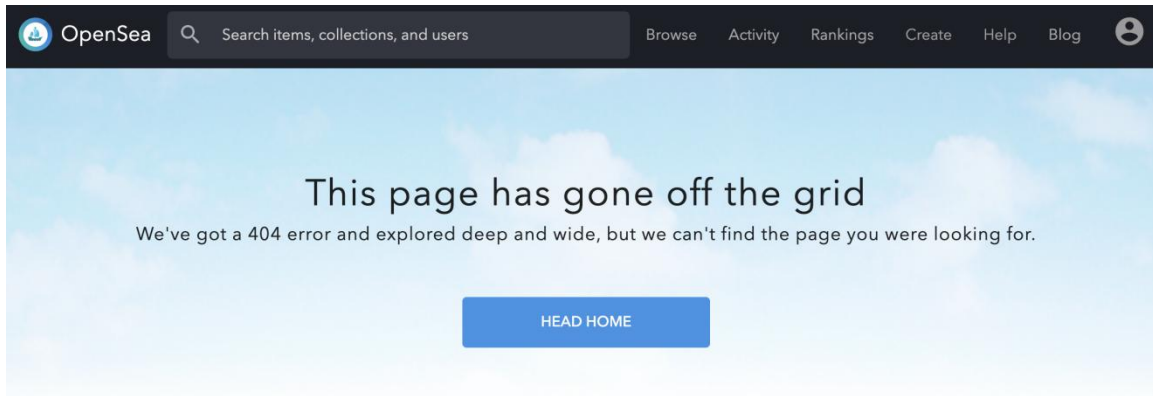
Uniswap 建立 SG/ETH 交易对
Uniswap creates SG/ETH pairs

因为有了市场定价 $1\text{ETH} = 1000\text{SG}$ ，一亿枚 SG 市值就是 10 万 ETH。那么当用户打开钱包，就会看到自己资产增加了 10 万 ETH 等值金额(超过 1 亿 RMB)，从而达到一个“小目标”。有趣的是，交易对创建后，有一个 uniswap 机器人立即购入了资金池内大比例的 SG，将其价格拉升至 3.89 美元/枚。

Given the market pricing of $1\text{ETH}=1000\text{SG}$, the market value of 100 million SGs is 100,000 ETH, so when the users open their wallet, they will see that their assets have increased by 100,000 ETH equivalent (over 100 million CNY), thus reaching a “small goal”. Interestingly, after the trading pair was created, a uniswap robot immediately purchased a larger percentage of SGs in the pool, pushing their price up to \$3.89 per coin.



达成 Small Goal
Achieve Small Goal



刘嘉颖, 《十万块广告牌》
Jiaying Liu, *100,000 Billboards*

<https://etherscan.io/address/0xba5a230e2d29e5629737484364c694381d7875e4>

运用了 NFT 的特性，艺术家希望区块链上 10 万人都可以拥有其作品的一段时间，而不是永久的拥有。这是一个全新的理念。

By taking advantage of NFT characteristics, the artist wants 100,000 people on the blockchain to own her work for a period of time, but not forever. This is a completely new concept.

艺术家对 10 万个用户进行空投，然而在空投到 2050 枚的时候，有趣的事情发生了，OpenSea 与 Rarible 两个主要 NFT 平台都将作品合约列入黑名单，收到作品的用户无法在拍卖平台以及使用了 Opensea SDK 的钱包内看到作品内容。也就是说，十万块广告牌这件艺术作品被 OpenSea 与 Rarible 在没有任何理由的情况下封锁了。

The artist airdropped the art works to 100,000 users, however, something interesting happened when a total of 2050 pieces were airdropped, major NFT platforms, both OpenSea and Rarible, blacklisted the work's contract, and users who received the works were unable to see the contents either on auction platforms or in their wallets if using Opensea SDK. In other words, the *100,000 Billboards* artworks were blocked by both OpenSea and Rarible without any explanation.

既然该作品的内容是可变的，那么前端屏蔽也就是 Error 404 这个行为就构成了一种审查。在一个标榜为加密资产提供服务的平台内，竟然出现了反加密社区精神的专断行为，这是否对区块链的“去中心化”构成一种讽刺？

Since the content of an artwork can be manipulated, through the act of front-end blocking, or error 404, this act should be examined as a form of censorship. A platform that is supposed to provide services for crypto assets has shown behavior that goes against the ideology of the crypto community. Isn't this act ironic to the supposed "decentralizing" block chain technology?

于是艺术家通过一个巧妙的方式，将其作品进行了重定义：艺术家将 NFT 的名称、详情、链接和图像分别更新为 OpenSea 404 页面所展示的内容，使 NFT 的英文含义拓展为“Not Found Tokens”。然而，随着 Web3（去中心化互联网）理念的深入人心以及去中心化服务的壮大，这些曾经被封杀的 NFT 都会在未来某天的去中心化媒体内重见天日。届时大家会发现自己钱包内的“NFT”，并反思加密精神的本质。

So the artist redefined her work in a smart way: she updated the name, details, links and images of the NFT to those contents shown on the OpenSea 404 page, expanding the meaning of NFT to "Not Found Tokens" in English. However, along with the idea of Web3 (decentralized Internet) taking root in public and decentralized services continued growth, these once-blocked NFTs will reappear in decentralized media someday in the future. At that time, people will rediscover the "NFT" in their wallets and reflect on the core ideology of Crypto.

这件作品在社群内引起了广泛的讨论，引发人们思考关于前端页面没收艺术创作自由权的问题，区块链去中心化理念被中心机构操控的问题等等。

This work has generated a lot of discussion within the community, prompting people to think over the right to confiscate the freedom of artistic creation from the front page, and the issues of blockchain decentralization being manipulated by central institutions, etc.



YFII-120 保卫战 *United We Stand*

YFII-120 United We Stand

<https://www.coingecko.com/zh/%E6%95%B0%E5%AD%97%E8%B4%A7%E5%B8%81/dfi-money>

120 保卫战，纪念 YFII 在经历被 Balancer 和 Metamask 封锁之后，浴火重生。这是一次在 2020 年 8 月区块链世界中发生的突发的事件，在被竞争对手攻击后，YFII 在 7 月 27 日受到 Balancer 和 Metamask 区块链中心化机构封锁，YFII 在 7 月 29 号解封，但中国区块链社群死守 120 的价格，抗战从 2020 年 8 月 4 日到 8 月 18 日，随着 120 保卫战的胜利，YFII 的价值逐渐受到认可。

The 120 Defense Battle commemorates YFII's rebirth after YFII was blocked by Balancer and Metamask. This was an unique event in the blockchain world on August 2020: after being attacked by competitors, YFII was blocked by Balancer and Metamask blockchain centralizers on July 27th; though it was unblocked on July 29th, the Chinese blockchain community held on to its price at 120USD and kept the up resistance from August 4th to 18th in 2020. With the victory of so-called *120 defense battle*, the value of YFII was eventually recognized.



<https://etherscan.io/token/0x03e3fbc3820c1d1487cd7b275cc32c226caf5d18>

向 nft.dfi.eth 发送 0 ETH, gaslimit 设置为 20 万即可领取, 目前已经有 2768 个用户拥有这件 NFT。

Send 0 ETH to nft.dfi.eth, with gas limit setting to 200,000 to receive it. 2,768 users already have this NFT.



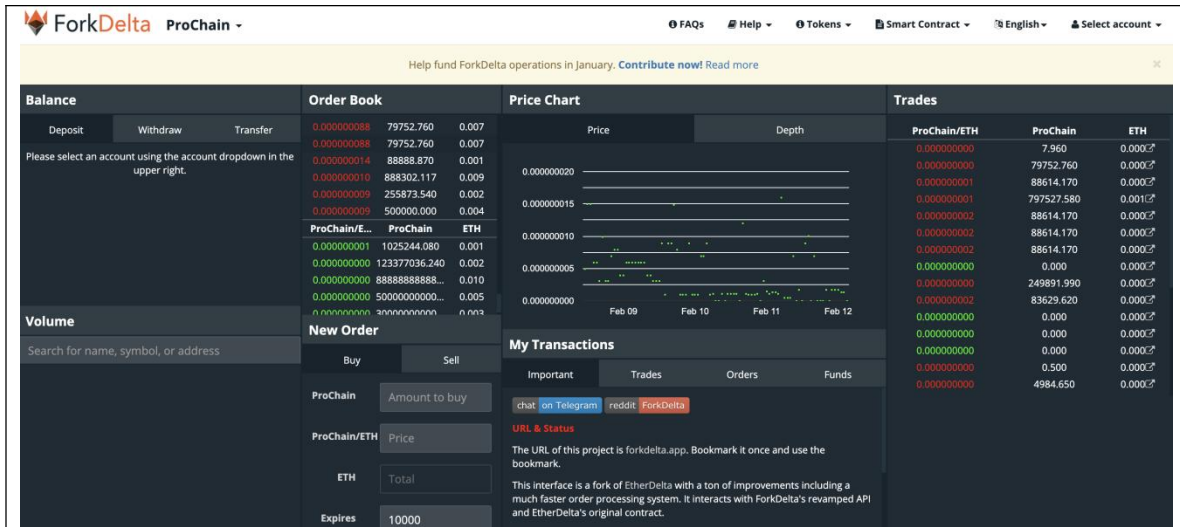
第一幕：面对猛烈的砸盘 Act I: Facing fierce smashing

第二幕：社群护盘，死守 120

Act II: The community protects the market and defends 120

第三幕：成功抗住防线 Act III: Successfully holding the defense

第四幕：价值被认可 Act IV: Value is recognized



无中生有 *Out of nothing 2017-2018*
Out of nothing 2017-2018

<https://etherscan.io/token/0x8377ee6d3545bc6ff1425ee3015dc648b149c7b2>
<https://forkdelta.app/#!/trade/0x8377ee6d3545bc6ff1425ee3015dc648b149c7b2-ETH>

无中生有是艺术家最早的一件区块链实验，在以太坊上，艺术家让五十多万用户获得了一种数字货币，十几天后，这个币被去中心化交易所“ForkDelta”上架了，并且产生了交易，艺术家只是让五十多万人看到，那么这个作品是在讨论“共识”是如何产生的。

“*Out of nothing*” is the earliest blockchain art experiment created by the artist in Ethereum to allow more than 500,000 users to acquire a type of digital currency. This currency after couples of days was made available to be traded on ForkDelta, a decentralized trading house. The artist let half a million people see this art work which then ushers in a discussion on how the consensus is generated.



Yap721, 2021, 嘉德艺术中心, 北京
Yap721, 2021, Beijing Guard Art Center

Yap721, 灵感来自雅浦岛石币 (FEI), 这是人类最初的账本形态。从早期单式记账法到引领公司制的复式记账法, 再到加密货币时代的分布式记账法, 人们对于财富的认知也在不断迭代。从比特币的 UTXO 到以太坊 ERC20/ERC721 的 Token 标准, 本质上它们都是账本, 记录了拥有者的权益。而 ERC721 形态的加密艺术品, 就像一个个的雅浦岛石币。每一次的交易流转, 都会在石币上刻下它们的曾经拥有者的印记。

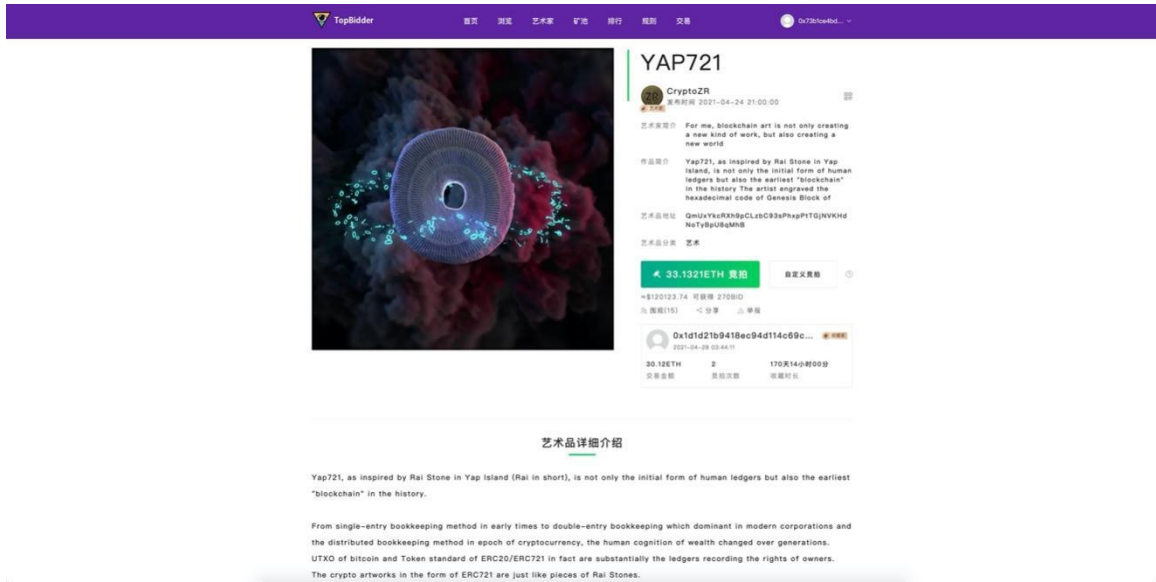
Inspired by the *Rai Stone* found on *Yap Island* (FEI in short), *Yap721* depicts the earliest form of human account ledgers. From single-entry bookkeeping method in early history to double-entry bookkeeping dominantly used in corporations and the distributed bookkeeping system used in cryptocurrency, the human understanding of wealth changes over generations. Both UTXO of bitcoin and the Token standard of ERC20/ERC721 substantially are the ledgers to record the rights of owners. The crypto artworks in the form of ERC721 are just like pieces of FEI marked with the imprints of every owner upon every transaction and circulation.



Yap721 局部, 2021, 嘉德艺术中心, 北京
Yap721, 2021, Beijing Guard Art Center

艺术家将比特币创世区块的 16 进制码刻在石币的一面，另一面将作品在 TopBidder 拍卖平台上的竞拍地址按照先后顺序以环绕的形式刻制在石币上。在这件实体作品上，每一位藏家都留下了自己的痕迹，成为作品本体的一部分；同时在区块链的虚拟世界中，每一位藏家也在链上被永久纪录。

The hexadecimal code of the genesis block of bitcoin is engraved on one face of FEI, and the web address for each bidding of art work on TopBidder is circularly engraved in a sequential order on the other face. There are prints of each collector on the physical form of artwork, and record of each collector becomes permanent in the blockchain world.



Yap721 在 Top Bidder 上的拍卖 *Yap721 on TopBidder*

TopBidder 是一个非同质化代币的激进拍卖协议。艺术家通过改造 NFT 协议，引入竞拍函数实现资产控制权的链上自动转移。每次竞拍作品价格都以 10% 固定幅度上涨，其中的溢价分配至艺术家，上位竞拍人，社区支持者以及竞拍者的推荐人。此机制避免了藏家惜售或私钥丢失而导致作品无法流通，只有出价最高的人才能拥有作品，同时保证了艺术家对作品的永久固定比例收益权。

TopBidder is a radical auction protocol for NFTs. The artist, by renovating the NFT protocol, introduced a bidding function to enable the on-blockchain auto-transfer of asset ownership and control power. Each bidding price shall increase by a fixed percentage of 10% to ensure the premium to be allocated to original artist, previous bidder, community supporter and sponsor of bidder. Such a mechanism ensures the permanent circulation of art works even if collectors are not willing to sell or private keys are lost. Only the bidder with the highest price can own the art work, and the original artist is encouraged by the permanent share of earnings on a fixed rate.

TopBidder 这个拍卖协议是艺术家的作品，而并非平台内拍卖的某一副作品。艺术家对艺术品市场的底层逻辑提出了新的规则，让艺术家占据主动权。同时创造了一种新的艺术创作形态 —— 竞拍者可以成为作品的共同创作者，并伴随作品的流转永久记录在区块链之上。

The protocol of TopBidder, rather than any piece of art work auctioned on this platform, is the work of the artist. The artist puts forward a new set of rules on the underlying logic of art market, helps all involved artists to be preponderant in the market, meanwhile it also creates a novel type of art form, i.e., bidders become co-creators of art work and can be recorded permanently in blockchain along with the circulation of work.



Topbidder Artbyss 美术馆入口, 2021, Cryptovoxels
TopBidder Artbyss entrance , 2021, Cryptovoxels

TopBidder Artbyss 是基于 TopBidder 网站的一个虚拟美术馆，它位于 Cryptovoxels 虚拟世界的海边，美术馆外面采用克苏鲁风格的建筑，展厅内部类似古根海姆的布局结构，中心区域有直飞冲天的火箭，顶层有观景平台。美术馆外侧有章鱼卵、触手等动态装饰元素。

TopBidder Artbyss is a virtual art gallery based on TopBidder website, located on the seashore of Cryptovoxels virtual world. The exterior of the gallery is reminiscent of Cthulhu and the interior design is similar to the Guggenheim. In the center area there is a launching rocket, on top floor the observation platform. The eggs and tentacles of octopus decorate the façade of gallery.

展厅网址: <https://www.cryptovoxels.com/play?coords=NW@408E,449N,6.5F>

TopBidder Artbyss: <https://www.cryptovoxels.com/play?coords=NW@408E,449N,6.5F>



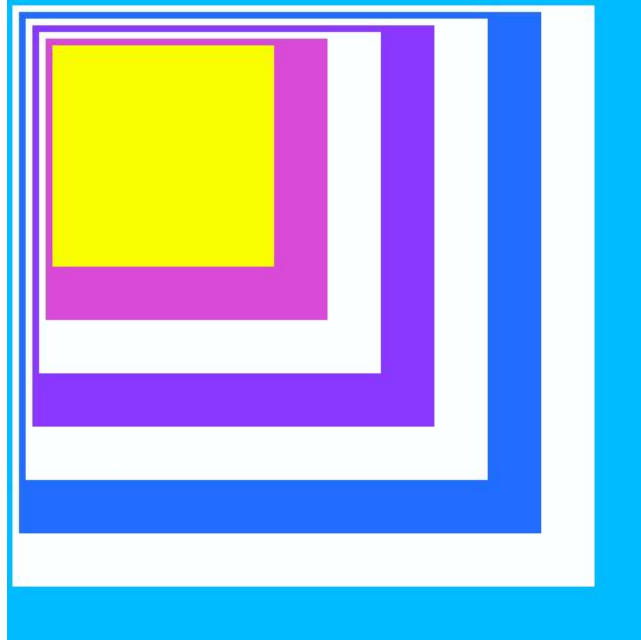
Topbidder Artbyss 全貌
Exterior View of Topbidder Artbyss



Topbidder Artbyss 内部环境
Interior View of Topbidder Artbyss

观众可以进入展厅，进行一条动线的观看。也可以在其中举办会议/派对等活动。Cryptovoxels 里面的虚拟美术馆解决了作品展示的问题，TopBidder 拍卖平台解决了作品收藏的问题。

Visitors entering through the exhibition hall can circulate around the space. It is also possible to hold meetings/parties and other events in it. the virtual gallery inside CV resolves the problem of having to exhibit works, and TopBidder auction platform resolves the problem of art collecting.



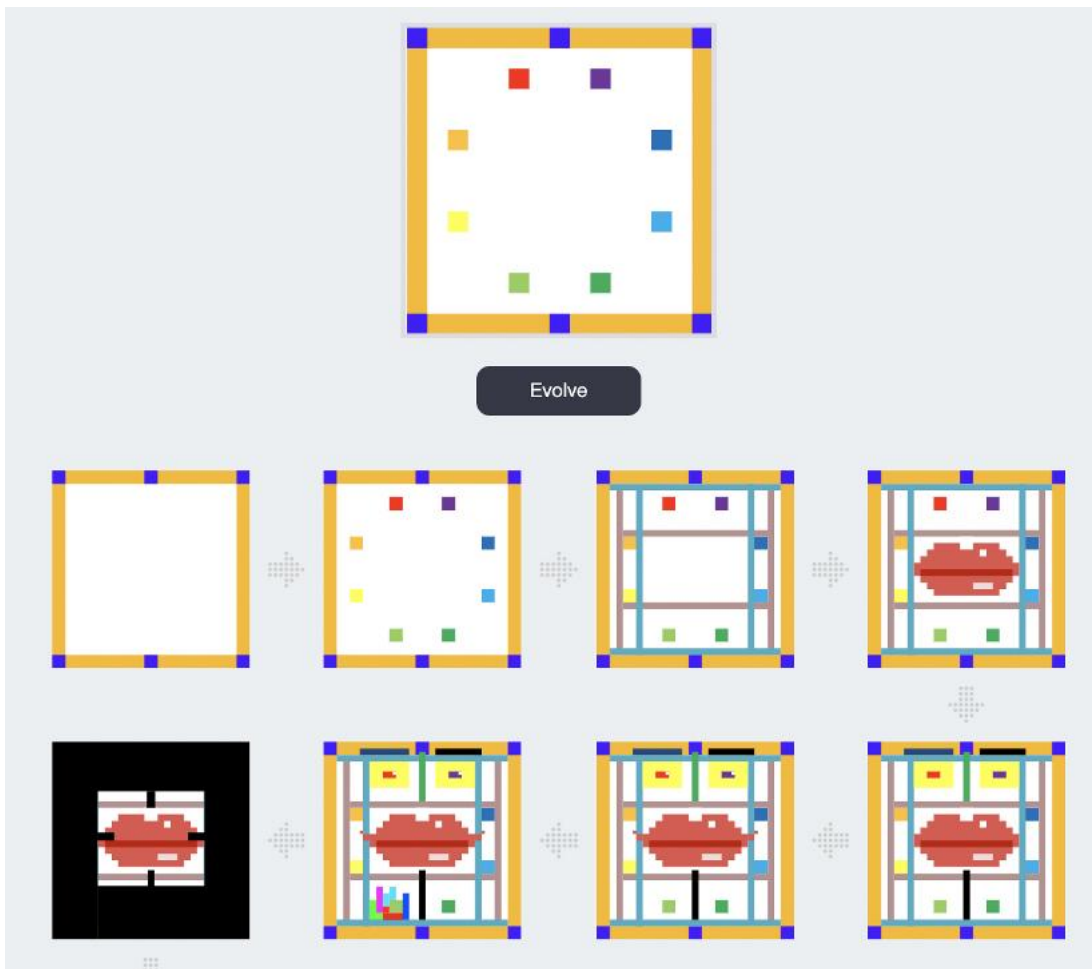
Rect 2021
<https://rect.art/>

Rect, 它是一个可组合, 可进化、自带金融属性的全链上原生图像类 NFT 创作系统, 是我和我的团队关于创作权的平权运动, 以及对于自由开放版权运动的讨论, 在 Rect 中任意 NFT 可以被他人进行调用而生成二次创作。它是一种不断进化, 不断产生共识的过程。

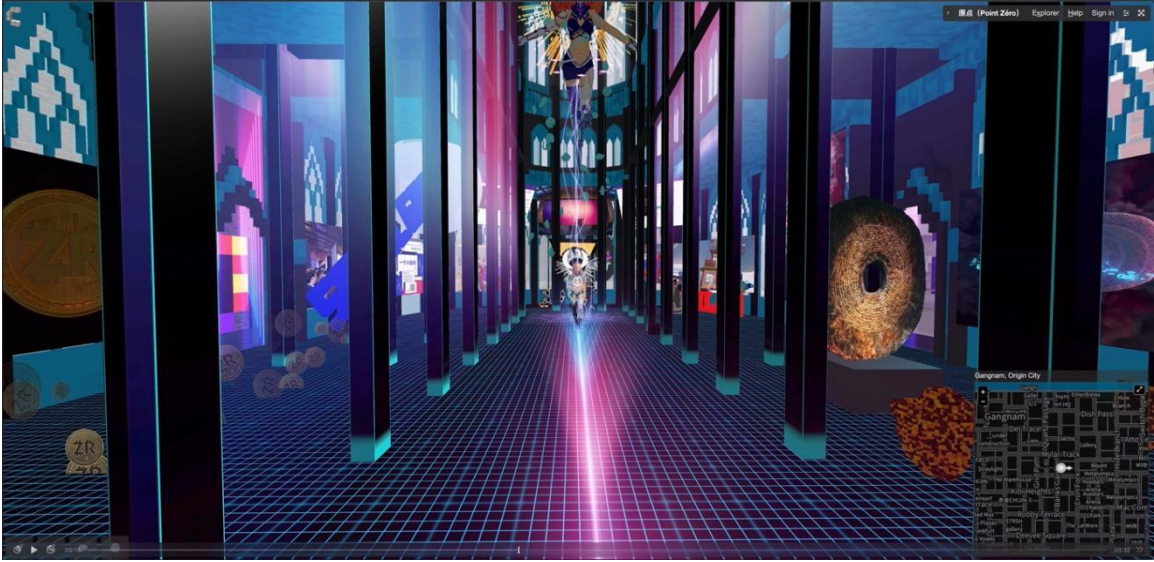
Rect, is a configurable, evolving, financially self-contained, native image-based NFT creation system. This system is the result of me and my team's discussion regarding "an affirmative action movement for creative rights" and the "free and open copyright movement". Any NFT in Rect can be invoked by others to generate secondary creations, it is a constant evolutionary process that continues to generate concurrency.

Rect 延续了激进拍卖的机制，让链上的 NFT 作品彻底的获得了自由，藏家可以在任意时间进行收藏，NFT 的交易符合 TopBidder 的激进拍卖（Radical Auction）规则，是一个处于永续竞拍状态的 NFT 资产。

Rect perpetuate the Radical Auction mechanism, allowing the NFT works on the chain to be completely free, and collectors can collect them at any time. The NFT transactions comply with TopBidder's Radical Auction rules, and the NFT assets are in a permanent state of perpetual auctioning.



Rect, 2021, 由 CryptoZR 发起的艺术家接龙创作
Rect, 2021, Collaborative artwork started by CryptoZR
<https://rect.art/#/tree/1472800722159538176>



原点美术馆

Point Zéro Art Museum

<https://www.cryptovoxels.com/parcels/2511>

原点美术馆的灵感来自法国巴黎圣母院，艺术家刘嘉颖（CryptoZR）在元宇宙 Cryptovoxels 中发起了这件哥特与赛博感交汇的艺术作品，由建筑师李海洋、李斯锐，艺术家杨琪磊、寿盛楠共同完成。

“原点”的名字来源于巴黎圣母院广场中的原点（Point Zéro）纪念物，是法国丈量全国各地里程时所使用的起测点，具有法国文化中心点的象征意义。而在虚拟世界中的原点美术馆同样处于 Cryptovoxels 中最繁华的位置。本次威尼斯展览，原点美术馆将艺术家刘嘉颖参展的 13 件艺术作品同时在元宇宙中进行同步展览。

The art gallery Point Zéro is largely inspired by Notre Dame. The artist CryptoZR realized this cyber-gothic work of art in Cryptovoxels. The name "Point Zéro" is taken from the monument Point Zéro located in the square of Notre Dame, the monument is used as the geographic marker of the starting point from which all distances from Paris are measured. It also acts symbolically as the center of French culture. In the virtual world, Point Zéro is located in the busiest part of Cryptovoxels (similar to the monument located in Paris). In the first annual Metaverse art@venice exhibition, Point Zéro will present a large-scale live solo exhibition of Liu Jiaying's 13 artworks, “Small

Goals 2.0” “Cookie Cookie 2.0”, it will be exhibited simultaneously in Venice and virtually in the metaverse.

* Point Zéro (Point Zéro Art Museum) is a joint project designed by architects Li Haiyang and Li Sirei; artists Yang Qilei and Shou Shengnan.



原点美术馆

Point Zéro Art Museum

<https://www.cryptovoxels.com/parcels/2511>



比特币之尼古拉斯 I, 动态影像, 2022

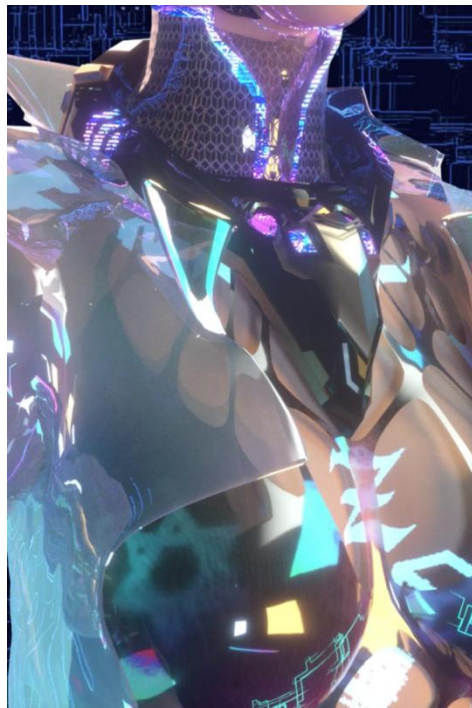
Nicholas of Bitcoin I, Video, 2022

《比特币之尼古拉斯》是刘嘉颖在两年前创作的一件实体作品。艺术家将一个比特币的私钥进行图像学的加密，并刻制在一个一比一大小的人体雕塑上，身体的私密性与个人资产安全的隐秘性形成了一种关系。作品中的一个关键细节是艺术家隐匿了 11 位私钥，以提高破解这个比特币账户的难度。

<Nicholas of Bitcoin> is a physical work CryptoZR created two years ago in which CryptoZR pictorially encrypted a Bitcoin private key and engraved it on a life sized sculpture of a human, where the privacy of the body forms a relationship with the secrecy of the security of personal assets, one of the key details of the work is that CryptoZR concealed the 11-bit private key to make it more difficult to hack this Bitcoin account.



比特币之尼古拉斯 II, 动态影像, 2022
Nicholas of Bitcoin II, Video, 2022



比特币之尼古拉斯 II, 动态影像, 2022
Nicholas of Bitcoin II, Video, 2022



莎布尼古拉斯--7198, NFT, 2022
Shub-Niggurath—7198, NFT, 2022

莎布尼古拉斯系列是艺术家在2022年9月30日创作的基于人工智能技术的NFT艺术作品，艺术家将比特币链上的词汇加入到艺术家定义的词汇中生成视觉图像。对5000年以后的人类进行想象。

Shabu Nicholas Series is an NFT art work based on artificial intelligence technology created by the artist on September 30, 2022. The artist adds words on the bitcoin chain to the vocabulary of the artist's imagination to generate visual images. Imagine humans 5,000 years from now.

刘嘉颖

曾就职于腾讯总部，担任国际业务部Global SNS首席产品设计师。

2016年考入中央美术学院攻读硕士学位，读研期间专注于使用区块链底层技术进行艺术转化，并不断探索独特的艺术语言。

2017年创办区块链企业，成立新加坡基金会ProChain，旗下产品有Prabox（EOS生态流量第一）、TopBidder（EOS生态流量前十），以及金融（Defi类）产品YFII，目前YFII全球市值排名第68，2020年登陆OKEX、火币、Binance三大交易所。

2019年因区块链基金会事务繁忙，休学一年；2020年获中央美术学院硕士学位。

对于刘嘉颖为什么会进入艺术领域？

刘：“做互联网和区块链是为了认识世界，做艺术是为了认识我自己。”

Short Bio of Mrs. Jiaying Liu

Mrs. Jiaying Liu worked at Tencent headquarters as the Chief Product Designer of Global SNS in the International Business Department.

In 2016, she enrolled in the China Central Academy of Fine Arts (CAFA) for her masters degree. During her studies, she focused on using the underlying blockchain technology to explore artistic transformation and continued developing unique artistic languages.

In 2017, she founded a blockchain enterprise and established Singapore Foundation ProChain, whose products include Prabox (No. 1 in EOS ecological traffic), TopBidder (top 10 in EOS ecological traffic), and the financial (Defi class) product YFII, which is currently ranked at 68th in global market capitalization and will land on three major exchanges, OKEX, Firecoin and Binance in 2020.

In 2019, due to the busy schedule of the Blockchain Foundation, she took a gap year away from school, and in 2020 received a master degree from China Central Academy of Fine Arts.

Question: Why did you enter the art field?

Answer by Jiaying Liu: “Studying Internet and blockchain is to know the world, creating art is to know myself.”

