

WE ARE HIRING

WEB3 & NFT DATA NERDS
(BACHELOR / MASTER THESIS)

AREAS

Data Science / AI, Data Analytics,
Data Engineering, SW Engineering

LOCATION

Hamburg or Stuttgart, Germany.
Remote possible with references.

START DATE

September 2022 onwards. We are
hiring on a rolling basis!

About Blockbrain



WHO

Blockbrain is a global early-stage startup building a community-driven analytics platform for **reliable investment information** in **Web3** and **the Metaverse**. Our team consists of unicorn founders, crypto experts, and tech ninjas who all believe that **blockchain technology** will drive one of the biggest cultural and business revolutions since the internet adoption.

WHY

While many investors seek exposure to this new internet era through NFTs and cryptocurrencies, the market is currently a very **dangerous** landmine. Information overload, fragmented ecosystems, no credible sources – dissatisfied with the status quo where **scammers** have the upper hand, we decided to build Blockbrain.

HOW

Our mission is to become the **safe gateway to Web3 investments**. Blockbrain will facilitate the mass adoption of Web2 users in the coming years by building a bridge of **trustworthy information** to the Web3 and DeFi ecosystem.

WHAT

We utilise the power of data, AI, and our investment community to help users discover opportunities, avoid scams, and make successful investment decisions with ease. Crypto, NFTs, virtual real estate - **we dig up gems and expose scams!**

Your Role



We are looking for aspiring entrepreneurs who want to support our rapidly growing operations into a **leading Web3 brand**. As a **Bachelor / Master Thesis Student**, you will have access to our data treasure and work with cutting edge technologies in an innovative industry with tons of career opportunities.

Selection of Thesis topics



Predicting NFT price development

This thesis should assess the predictive power regarding the price of NFT collections.

Based on historical time-series data (floor price, number of sales, number of owners ...) that will be provided, you will detect features in the data that are relevant buy or sell signals and build a model that can identify relevant NFT Buy and Sell signals. A further potential data source you can add would be sentiment (signaling attention on Twitter and Discord for example).

Predicting NFT scams

This thesis should assess early signals for NFT collections that turn out to be scams or so called "rug pulls".

Based on historical quantitative and qualitative data (Ethereum on-chain data and off-chain like news, twitter, ...) that you will identify and select as data sources (some of it can be provided), you will identify relevant features that are common for scam NFT projects and can be automated in detecting early on.

Portfolio performance metrics for NFTs & recommendation engine

This thesis will focus on applying portfolio performance metrics that are common in the traditional finance world and are used to give investment advice to NFTs.

Based on the NFT transactions of wallets (data will be provided), you will apply those metrics to the underlying transaction data and prototype a recommendation engine that can give useful investment advice.

AI based NFT value estimator considering traits and historical sales data

This thesis will focus on building an AI model to estimate the value of NFTs bases on trait / rarity and sales data.

Based on the data that will be provided, you will build a model that is able to estimate the value with high confidence.

Building up a NFT Knowledge Graph in e.g. Neo4J

This thesis will focus on building up a data model and first prototype of an NFT Knowledge Graph.

Based on raw data that we will provide, you will build up a data model / ontology for an NFT Knowledge Graph and implement it as a prototype. On top of the Knowledge Graph you will identify usecases that can be done on top of the knowledge graph data (e.g. recommendation and prediction engines, knowledge graph completion and reasoning) and develop hypotheses on how they can support investment decisions.

Your Profile



You are a **university student** driven to bring Blockbrain to the next level with availability for **at least 4 months, 6 months is preferred**. You love challenging the status quo, taking on full ownership for your projects, and contributing to a broader mission!

- Ambitious - You set high goals and have a proven ability to achieve them
- Courageous - Willing to present new ideas, experiment, and learn
- Pragmatic - You have a bias for action and execute fast
- Technical - e.g. experience in SQL, APIs, BI tools, Python, ...
- Data-Driven - Affinity to data, analytical mind

Previous experience in a fast-paced environment (startup, consulting, VC, IB, etc.) is a big bonus. For all the profiles we are looking for, a **genuine interest** in advancing and democratizing the Web3 ecosystem is expected.

What we offer



Top-performing candidates have the chance to receive a full-time offer upon successful completion of the thesis.

- **Impact** - Fast-growing startup with responsibility from day one
- **Growth** - Work with successful serial founders and experienced managers
- **Culture** - A flat hierarchy with constant feedback loops
- **Data treasure** - Work with a huge Ethereum & OpenSea data treasure
- **Fun** - A fun & global environment with regular team events

Reach out for any questions or apply directly with your resume to start your journey with us

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