



# Data Analysis on NFTs Relating to Blockchain

Connor Chadwick

Thien-Nam Dinh

## ■ Problem Statement:

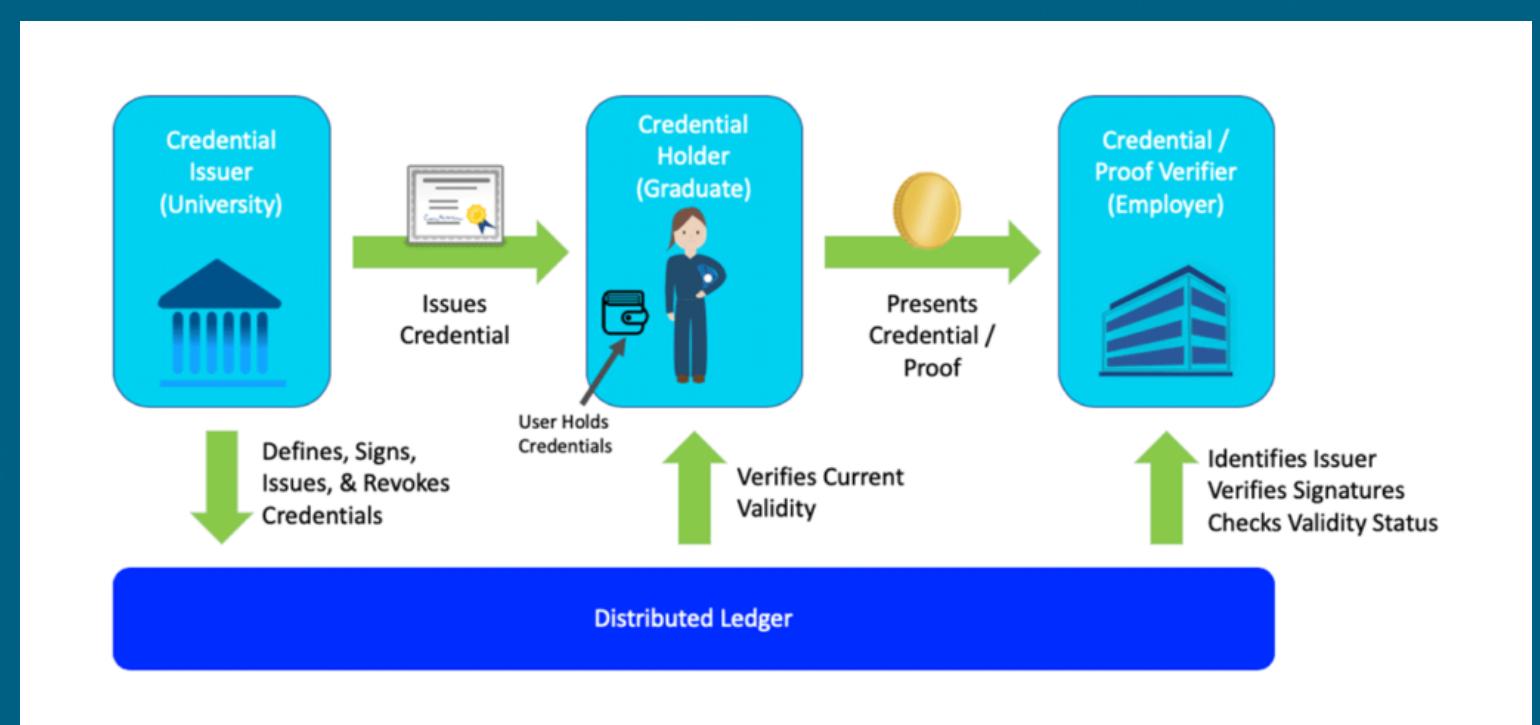
- Discover the intersectionality of Decentralized Identifiers (DIDs) and Non-Fungible Token (NFTs) usage within the Ethereum blockchain by analyzing Ethereum and NFT platforms to provide as much qualitative and quantitative context as possible.

## ■ Objectives and Approach:

- Investigate the Ethereum blockchain to understand how NFTs are generated and traded. Leveraging this knowledge, we will parse the blockchain to create an in-depth report that facilitates a better understand of Decentralized Identity in relation to NFT sales.
- The OpenSea NFT platform, Etherscan, and the Ethereum blockchain will be parsed and inspected to generate a quantitative analysis of intersectionality between DIDs and NFTs. Additionally, we will note any extraneous details about each intersection to inform a qualitative assessment of the space.

## ■ Results:

- The creation of a comprehensive jupyter notebook file that provides in-depth notations of the research and the thought process behind its creation, as well as the documentation of the findings, including but not limited to the contract that is used for all sales on the OpenSea NFT trading site, the spending habits and communities certain users are a part of, and a directory that allows users to view the addresses that use a specific contract, as well as the price that is facilitated there.



## ■ Impact and Benefits:

- The creation of the notebooks will further facilitate the team in understanding how NFTs interact on blockchains, as well as highlight how users on Ethereum sites can be observed in their communities and spending habits.