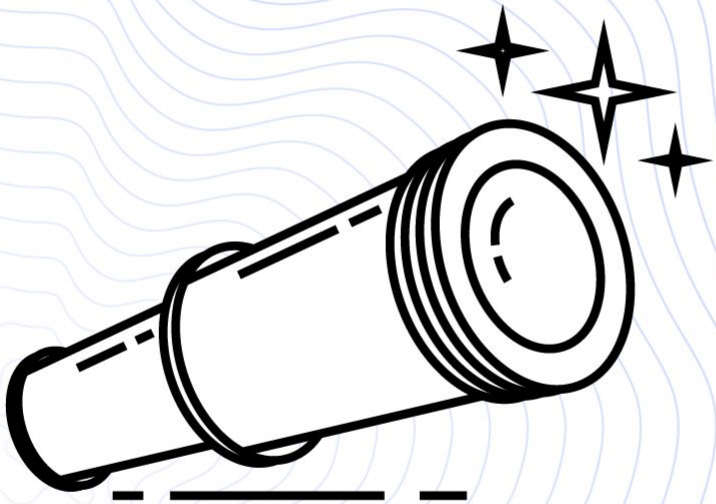
SPYGLASS



NFT HACK

NFT HACK 2022

Who Are We

David Melnychuk
Backend

@thisisnotawill
Frontend

Devendra Sawod
Backend

Daniel Müller
Backend / ML

Sudhith Xavier
Design

Problem

- Finding the right NFT can be stressful and chaotic
- Need to reference various sources to determine valuation of an NFT
- Hard to compare so many NFTs in a collection

Solution

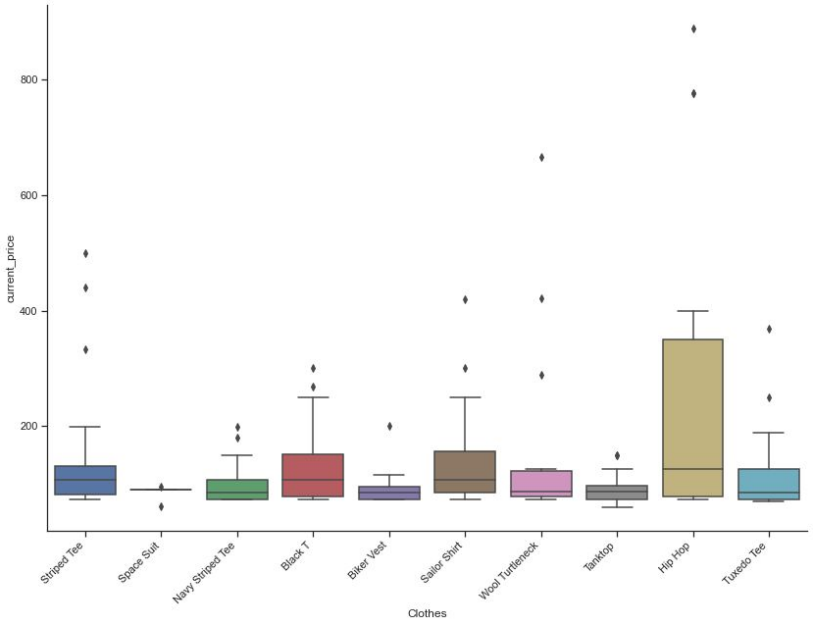
- **Spyglass,** an NFT curation tool featuring powerful real-time analytics and organizational tools built into a snappy UI.

- Combines pricing analytics with a flipbook UI to quickly view all NFTs and find the best deals!

DEMO

How It’s Made

- Three key pieces: **UI**, **Server**, **ML**
- **UI** designed with flipbook mode in mind, built with React
- **Server** fetches and updates OpenSea data with **ML** output
- **ML** trained on a sample with 80:20 split with a RandomForestRegressor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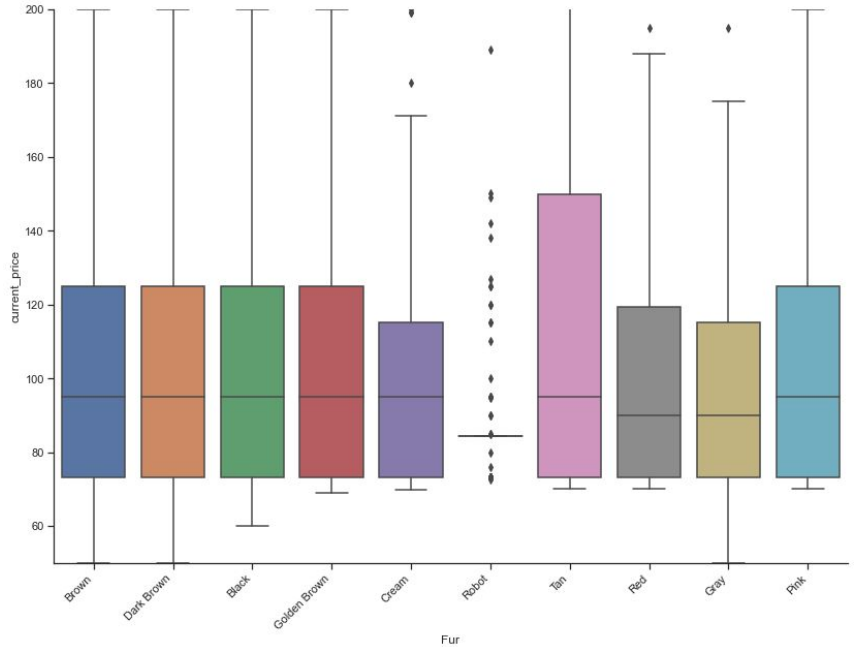
600
400
200
Striped Tee
Space Suit
Navy Striped Tee
Black T
Biker Vest
Sailor Shirt
Wool Turtleneck
Tanktop
Hip Hop
Tuxedo Tee
Clothes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Black
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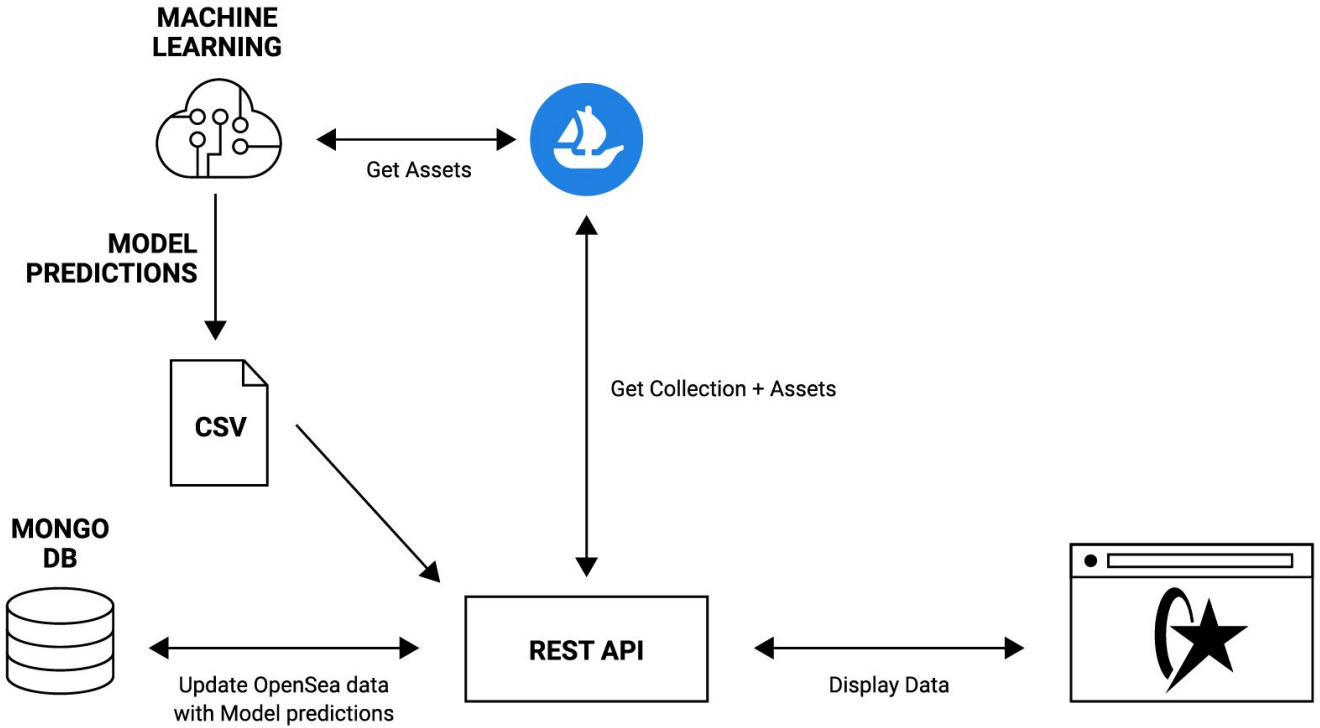
Cream
Robot
Tan
Red
Gray
Pink
Fur


MACHINE LEARNING
Get Assets
MODEL PREDICTIONS
CSV
Get Collection + Assets
MONGO DB
REST API
Update OpenSea data with Model predictions
Display Data

Future Work

- Save more NFT collections
- Improve ML Algo
- Allow users to buy or batch buy NFTs
- NFT Comparison view
- More charts
- More sorts, filters, etc.

Check it out live

https://spyglass-ten.vercel.app/

Thank you