

ChartSeek

AI-Powered Trading Education Search

Find Any Chart Pattern. Instantly.

The Problem

Trading Education Videos Are Unsearchable

1000+

Hours of content per serious
trader

30-60

Minutes to find ONE pattern
example

0

Platforms offer visual chart
search

Traditional search only finds spoken words — but chart patterns are VISUAL.

Traders waste hours rewatching content they already purchased.

The Industry Gap

- | TradingView, YouTube, Udemy — NO way to search inside video
- | Enterprise solutions cost \$50K+/year and can't match visual patterns
- | Traders pay \$500-\$5,000 for courses but can't navigate content
- | No existing tool understands what's shown on charts

**The gap between video volume and searchability costs traders their most valuable resource:
TIME**

Our Solution

ChartSeek: Visual + Audio Search for Trading Videos

Before ChartSeek

Search: "double bottom"



Only finds when instructor
SAYS "double bottom"



Misses visual examples!

With ChartSeek

Search: "double bottom"



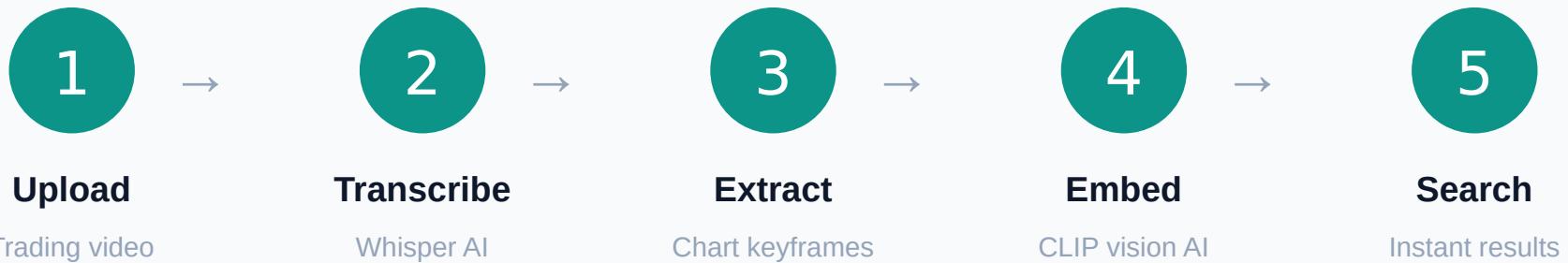
AI understands VISUAL
chart patterns on screen



Finds exact moments!

Cross-modal search: Text query → Visual chart results

How It Works



User types: "fibonacci retracement on uptrend"

- Finds video frames showing fibonacci drawn on charts
- Even if instructor just says 'watch these levels'
- Returns ranked results with confidence scores
- Click to jump directly to that moment

AI Technology

OpenAI Whisper

FREE

Speech-to-text
Trading commentary
Timestamped transcript

OpenAI CLIP

FREE

Visual understanding
Chart pattern matching
Cross-modal search

Weaviate

FREE

Vector database
Semantic similarity
Instant retrieval

100% Local Processing • Zero API Costs • Complete Privacy

Your proprietary courses and strategies never leave your machine

Architecture

TheAgenticAI CortexON

Multi-agent orchestration framework
Coordinates Whisper + CLIP + Search
Async processing with progress tracking

OpenAI Codex Workflow

Clean interface/core separation
React frontend + FastAPI backend
Modular, testable, swappable

Technology Stack

Frontend

React + TypeScript +
TailwindCSS

Backend

FastAPI + Python 3.11

Vector DB

Weaviate

Container

Docker Compose

Example Queries

"bullish engulfing candle"

→ Green candle engulfing red

"fibonacci 61.8 level"

→ Charts with fib at golden ratio

"MACD crossover signal"

→ MACD crossing signal line

"head and shoulders"

→ Classic reversal pattern

"volume spike breakout"

→ Large volume with price move

"ascending triangle"

→ Triangle pattern forming

Find patterns by description, not keywords!

Business Impact

Before

Find specific pattern:

30-60 min 5-15 sec

Success rate:

~30% 85%+

Time wasted/week:

3-5 hours 15 min

90%

Time Reduction

Target Market

Retail Traders

10M+

Learning technical analysis

Course Students

2M+

Navigating paid content

Trading Educators

50K+

Student support overhead

Prop Firms

5K+

Training new traders

TAM: \$3.2B • SAM: \$800M • Initial: Self-directed traders

Live Demo

Scenario: Find the 'cup and handle' lesson

0:00

Upload trading course video

0:30

Processing: Whisper + CLIP indexing

2:00

Search: "cup and handle entry setup"

2:05

4 visual matches + 2 transcript matches

2:10

Click → Jump to exact timestamp

2:15

Export clip for study notes

From 30-60 minutes → 2 minutes (95% faster)

ChartSeek

Find Any Chart Pattern. Instantly.

- ✓ 100% Free & Open Source
- ✓ Runs Locally (Complete Privacy)
- ✓ Visual + Audio Search Combined

github.com/TheAgenticAI/CortexON

Questions?