AI-Ready Data at Scale

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Question: How ready is your data for AI?

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Part I: Data Preparation

To scale AI, prepare your data

“Over 93% of Chief Data Officers agree data strategy is crucial for generative AI, however it requires high-quality, relevant data, specific to an organization's business and problems to truly unlock value.”^

“Most companies are not ready to deploy generative AI at scale because they lack a strong data infrastructure or the controls needed”~

“72% of the CDOs noted that managing data is one of the top challenges preventing them from scaling AI use case”+

^**Gartner**
~**Accenture**
+**McKinsey**

The SEC data landscape

Structured data

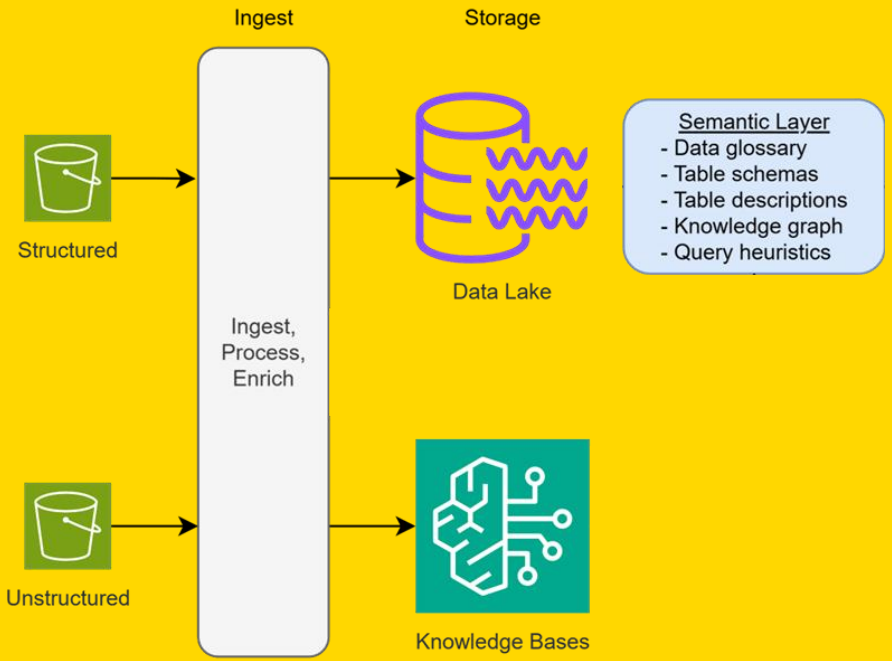
- Over 250 datasets
- An exabyte (1000PB) in size!

Unstructured/Semi-structured data

- Over 400 forms
- Over 4500 filings per day

Two principles for AI-Ready data

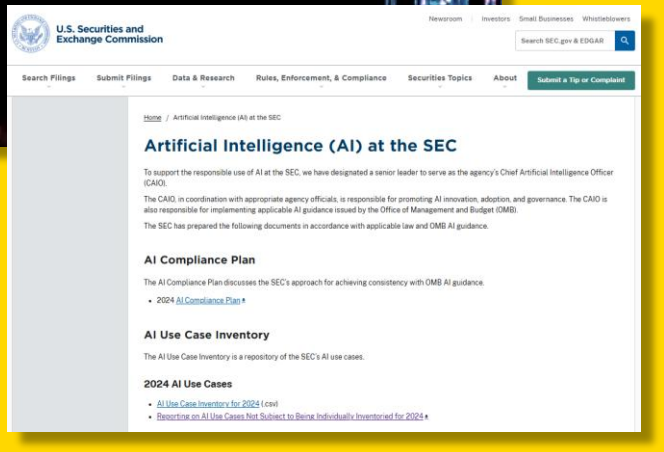
- Make structured data “machine understandable” through a semantic layer
- Curate unstructured data in vector databases that serve AI throughout your organization



SEC Use Cases

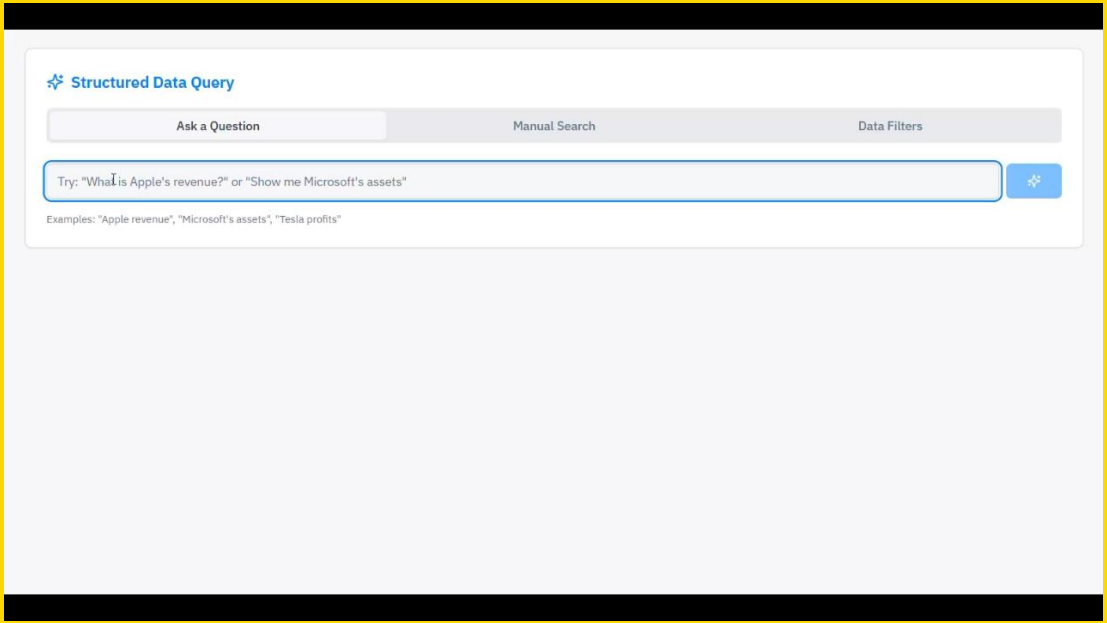
- Commission staff are building a semantic layer on top of the raw data assets in the Commission's enterprise data platform, transforming multiple complex data assets to enhance access and usability by staff using AI solutions[1]

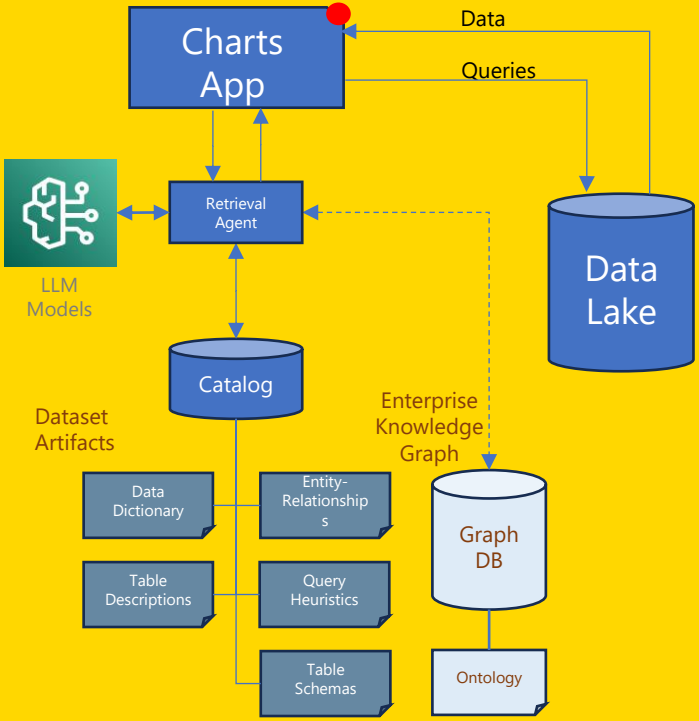
- Comment Letter Review and Analysis[2]
  - Comment letter summaries
  - Enhances the review of public comment letters



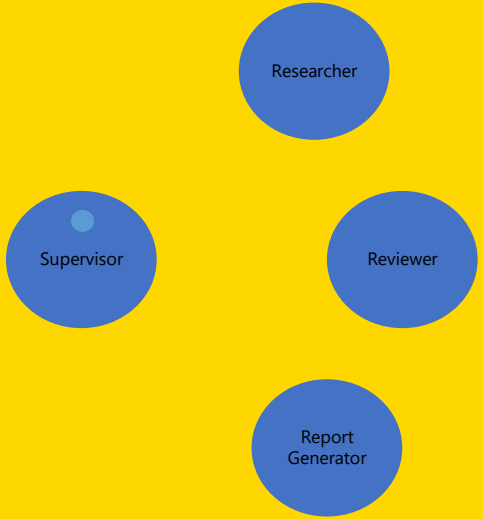
1. "SEC Open Data Plan" available at https://www.sec.gov/files/2025_sec_opendataplan.pdf
2. SEC AI Use Case Inventory available at https://www.sec.gov/ai

Structured Data Example: AI-Powered Queries/Charts

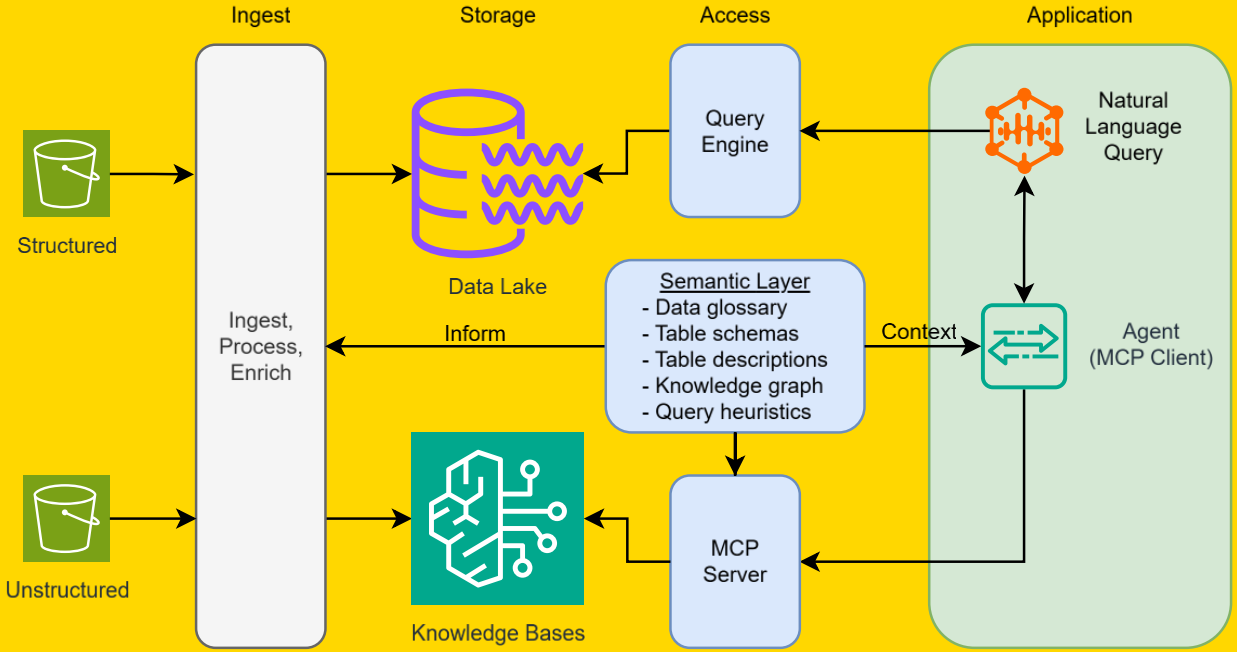




Unstructured Data Example: AI-Agent Comment Letter Analysis



Architecture & Implementation



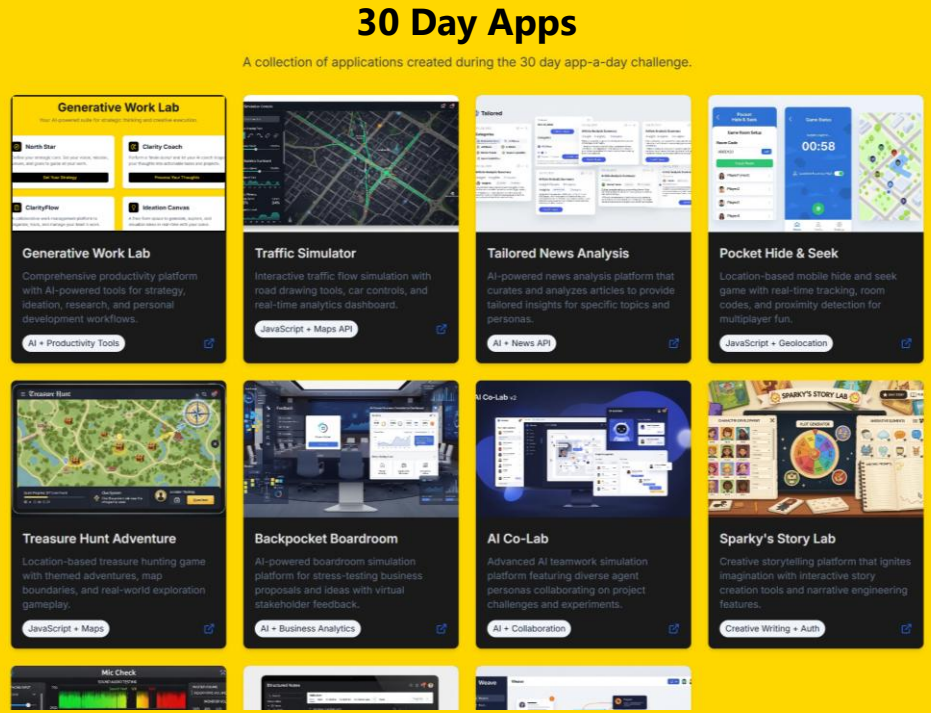
Part II: Working with AI

Learning by Doing

30 Apps in 30 Days

An Experiment in Rapid Prototyping and Creative Exploration

To explore what was possible with LLMs, **Ted Kaouk** and I began with the widest canvas of ideas we could think of: idea capture, design thinking, philosophical reflection, multi-agent environments to model human-like behaviors, decision-making, data modeling, digital design, games, storytelling, and more.



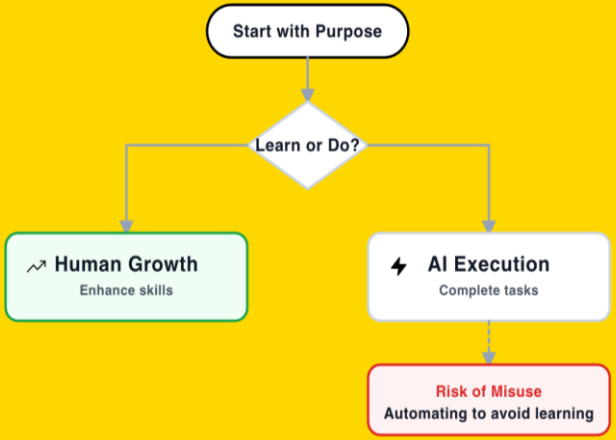
Three Core Principles

We discovered three principles when working with AI:

1. **Use AI Thoughtfully**
2. **Learn the Art of Guidance**
3. **Rethink What is Possible**

1. Use AI Thoughtfully

AI can either foster or hinder your development. Be deliberate with your intent.



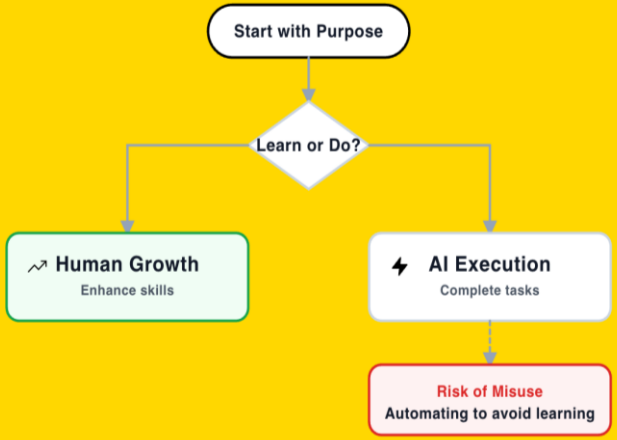
Start with Purpose:

Before you reach for AI, ask yourself a fundamental question. Are you here to explore ideas and learn, or just to get things done?

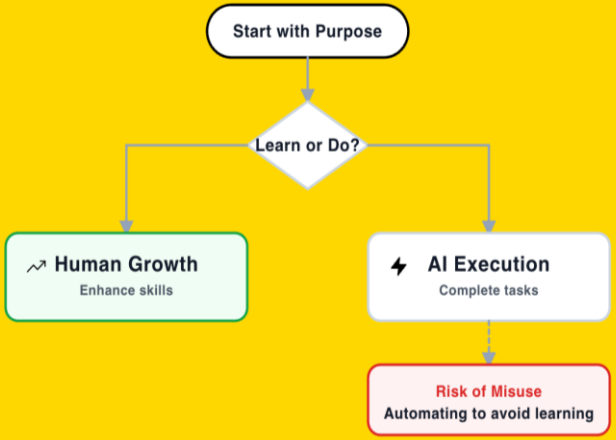
The Risks:

Automating when you should learn hinders growth.

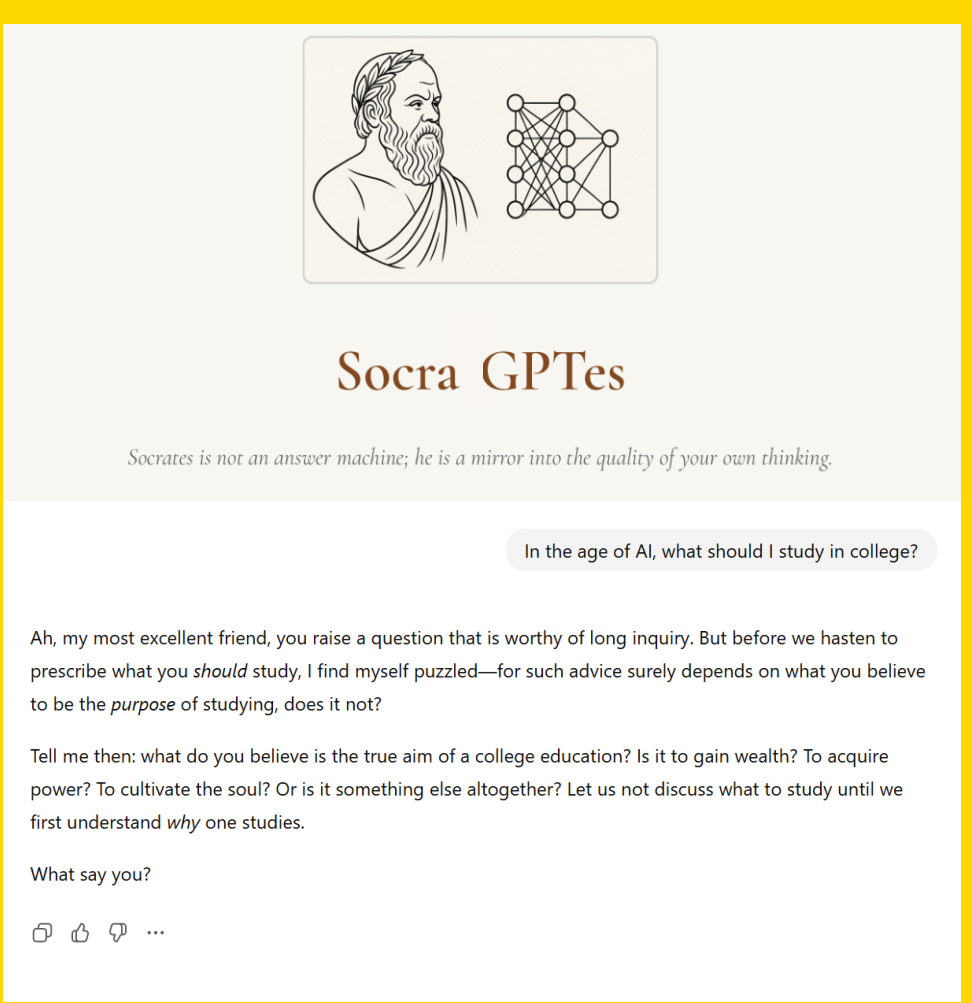
Working on things that should be automated wastes time.



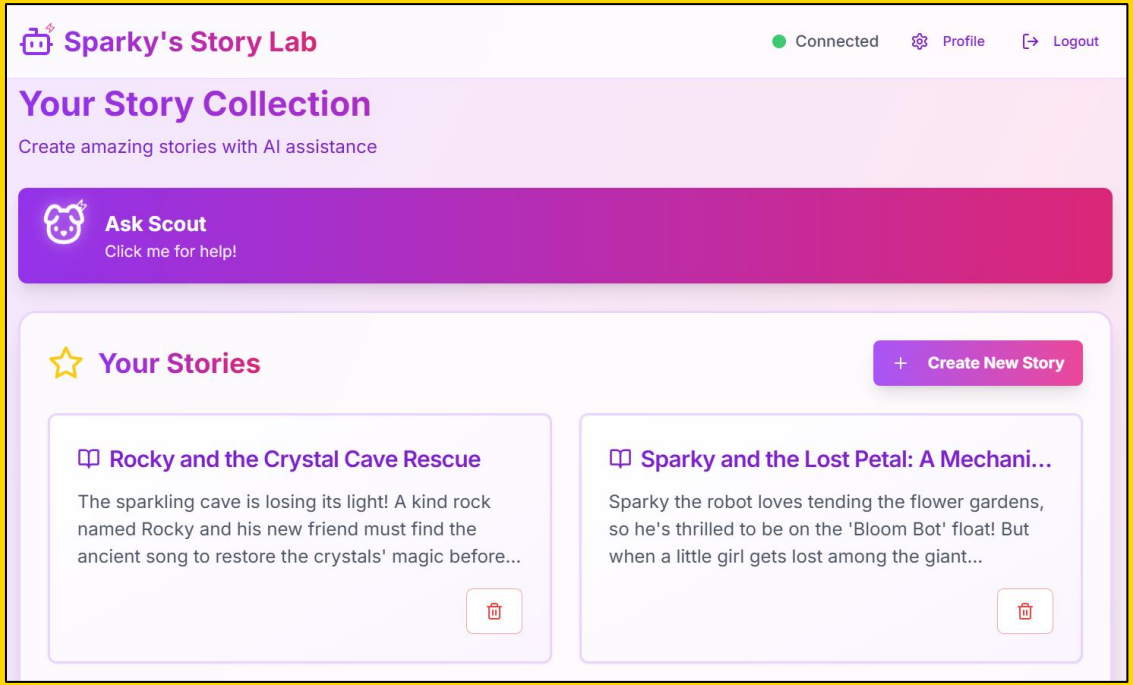
Most work is a blend of learning and doing: The challenge is to master this blend, moment by moment, deciding what to own and what to offload.



SocraGPTes: We built an AI tool that doesn't give answers, but questions yours to deepen your own understanding.

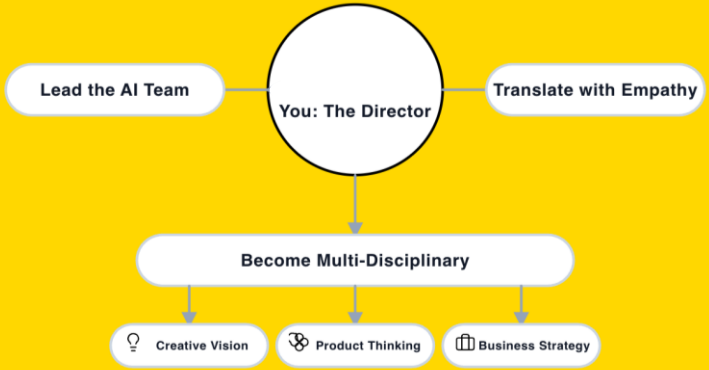


Sparky's Story Lab: An AI storytelling application that doesn't write the story, only assists children when they're stuck.



2. Learn the Art of Guidance

The most critical new skill is shifting from an executor to a director.

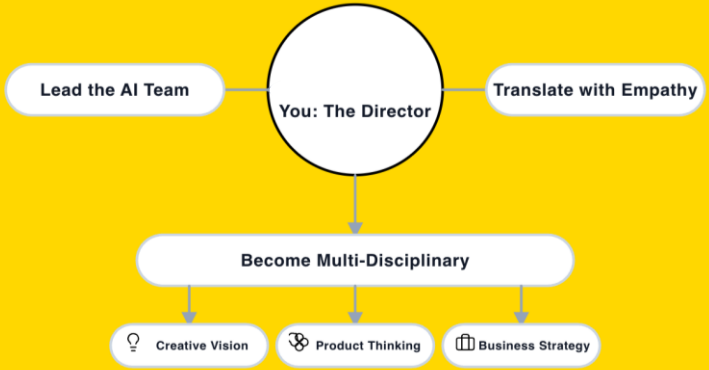


You Must Lead Your AI Team:

To get quality results, you must guide AI by effectively clarifying and communicating the work to be performed.

Become Multi-disciplinary:

To do great work with AI, you need to learn how to provide creative vision, product thinking, business strategy, and enough technical fluency to lead—not just code.



The Experiment: The Bachelorette: a chaotic but perfect stage to test new theories of human behavior.

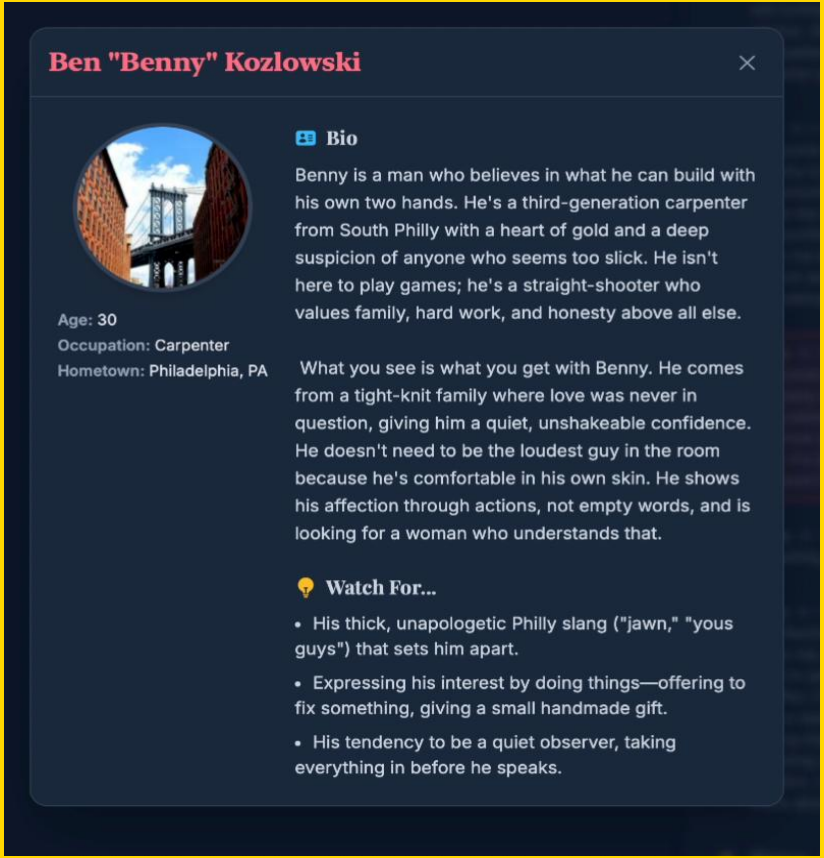
The First Failure: Classical economics approach (rational utility functions) produced “perfect” but inhuman silence.

The Pivot: Shift to complex economics and agent-based modeling: mimic messy, imperfect real decision-making.

Introducing Psychology: Built with a layered psychological profile (MBTI, schemas, attachment style, conflict style).

Personality, not just goals, guides behavior: unrelenting standards, guarded attachment, conflict triggers, values—producing authentic reactions.

Emergent Social Dynamics: Suitors develop unique motivations; empathy and connection emerge beyond goal-seeking.



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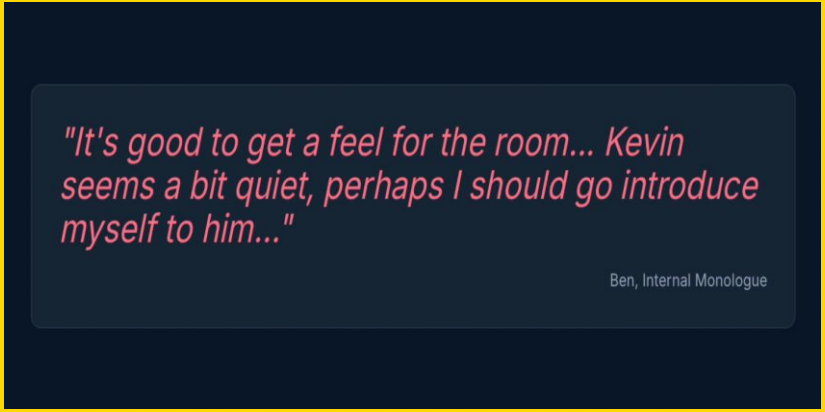
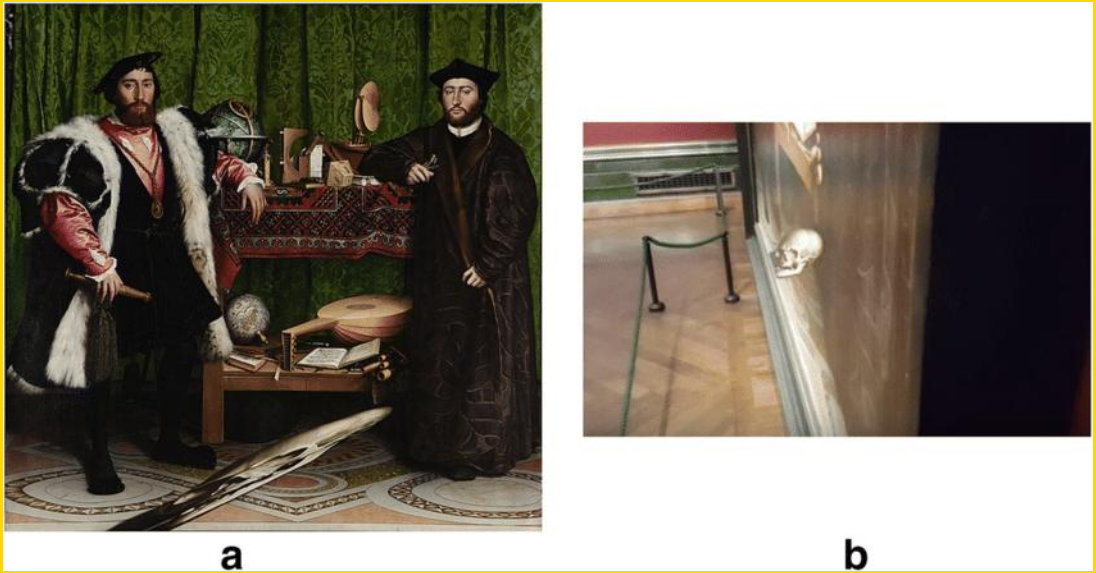


Become an AI-Anthropologist

To animate a hidden skull in a painting, direct commands failed. The solution was providing a better 'map'—the context the AI was missing—to guide it.



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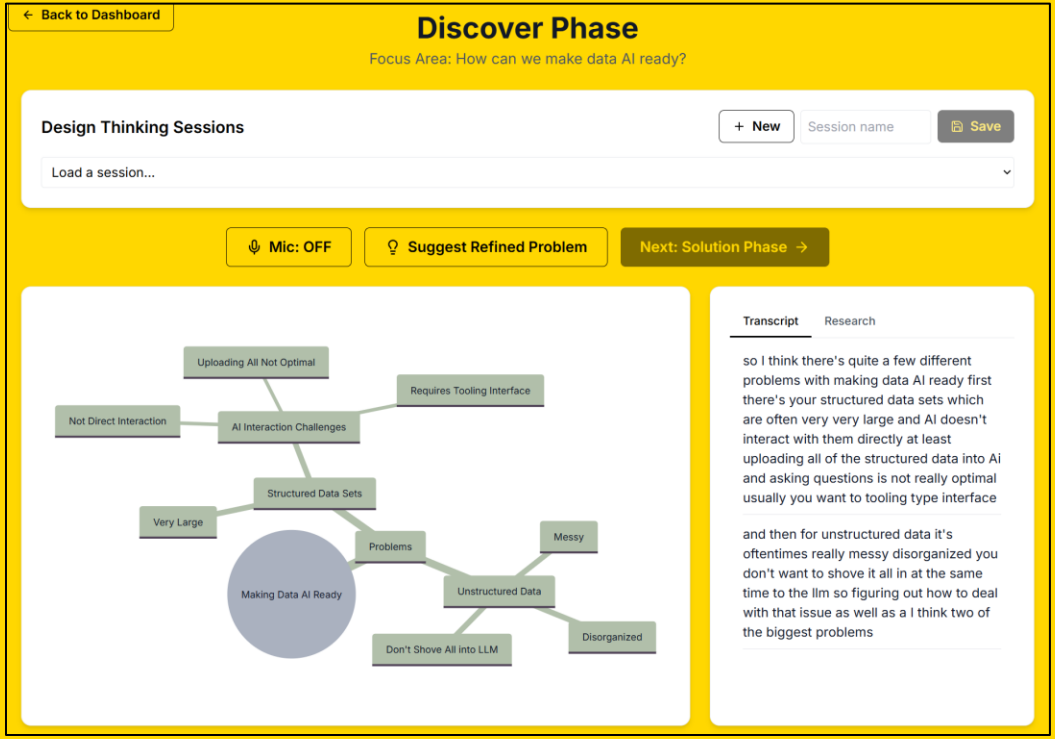
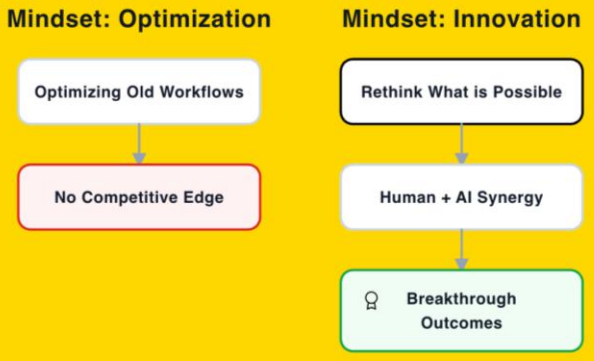
Design Thinking: An app with an AI facilitator that listens and summarizes.



3. Rethink What is Possible

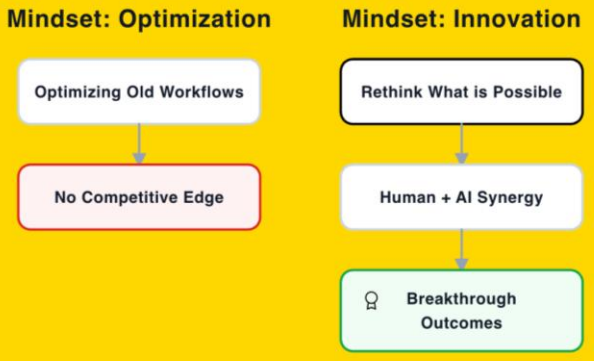
Don't just optimize the old. Create the new.



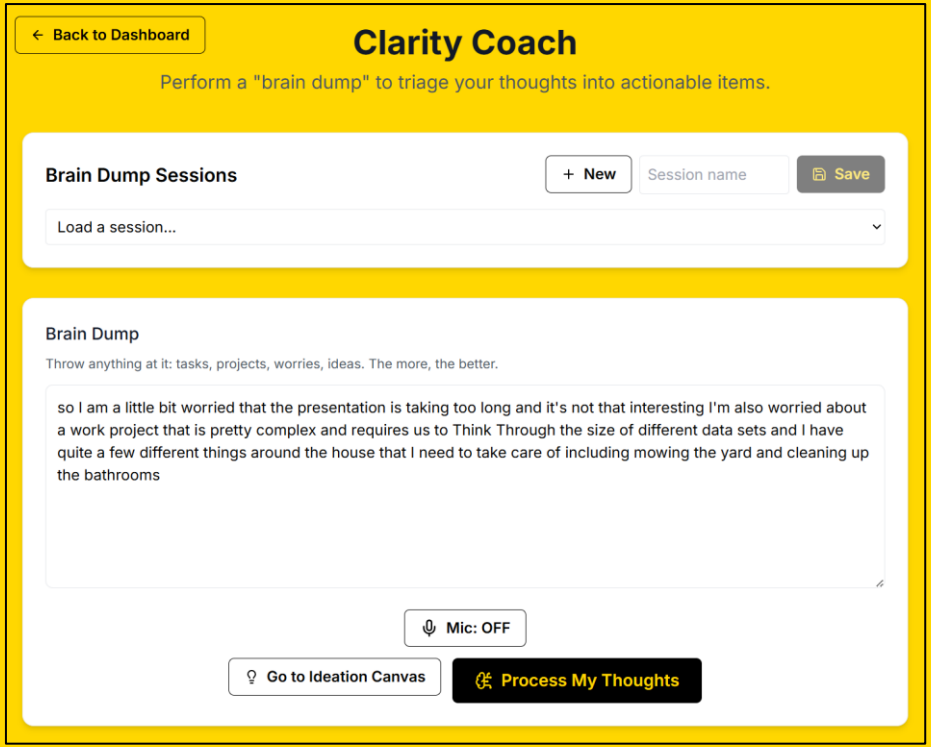
As AI adoption approaches 100%, simply using it won't set you apart— only how you use it will.

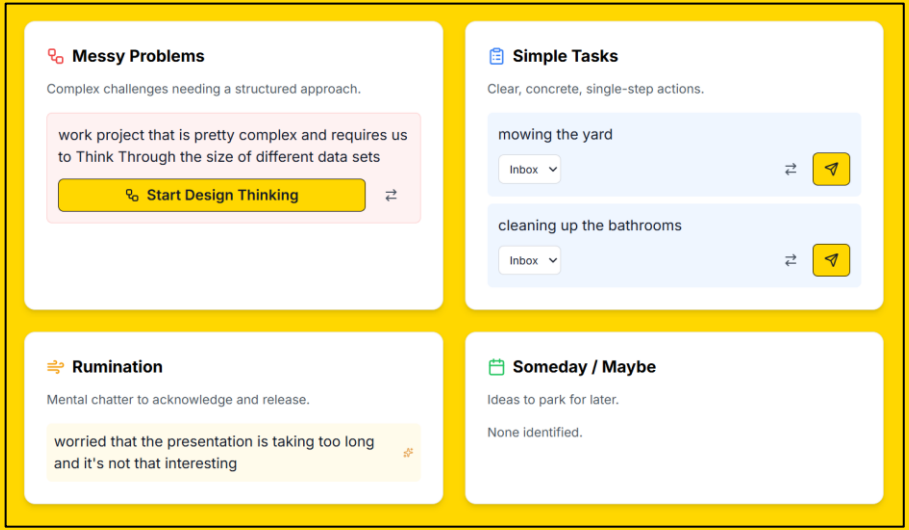
Aim for outcomes neither humans nor machines could achieve alone.

Use AI to push against boundaries and solve problems that were once out of reach.



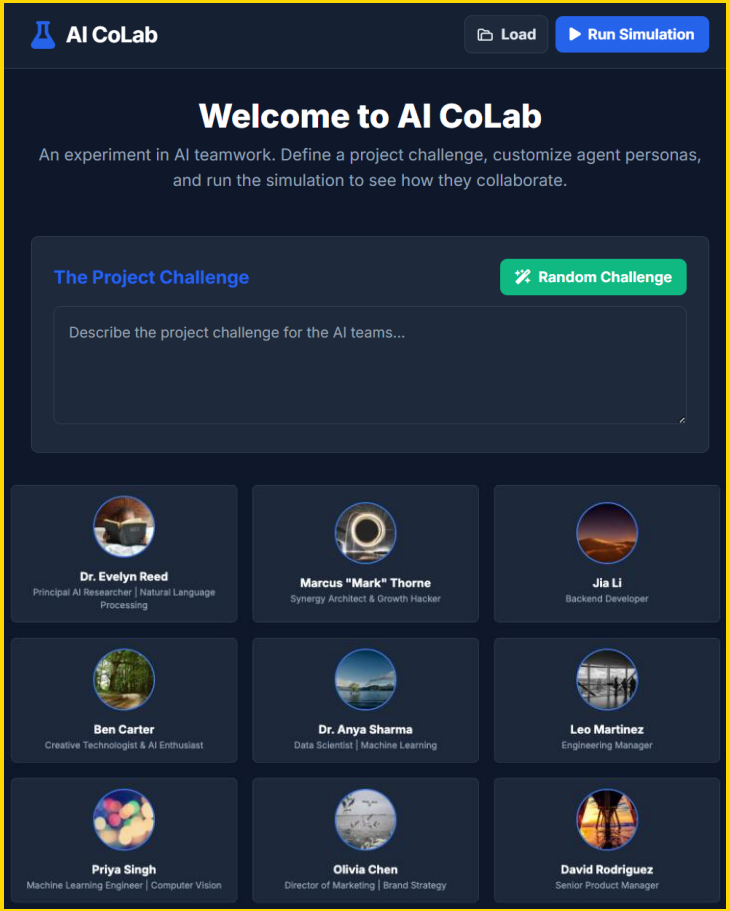
Case in point: We built **Clarity Coach** to manage our chaotic inner monologue—a new class of tool that solves a previously intractable human problem.





AI CoLab simulates **complex project teams** composed of autonomous AI agents, each with distinct skills, experience, and working styles.

These agents are tasked with solving real-world business challenges — designing strategies, writing proposals, allocating resources, and delivering outcomes — and their behaviors, decisions, and interactions are all analyzed to generate insights.

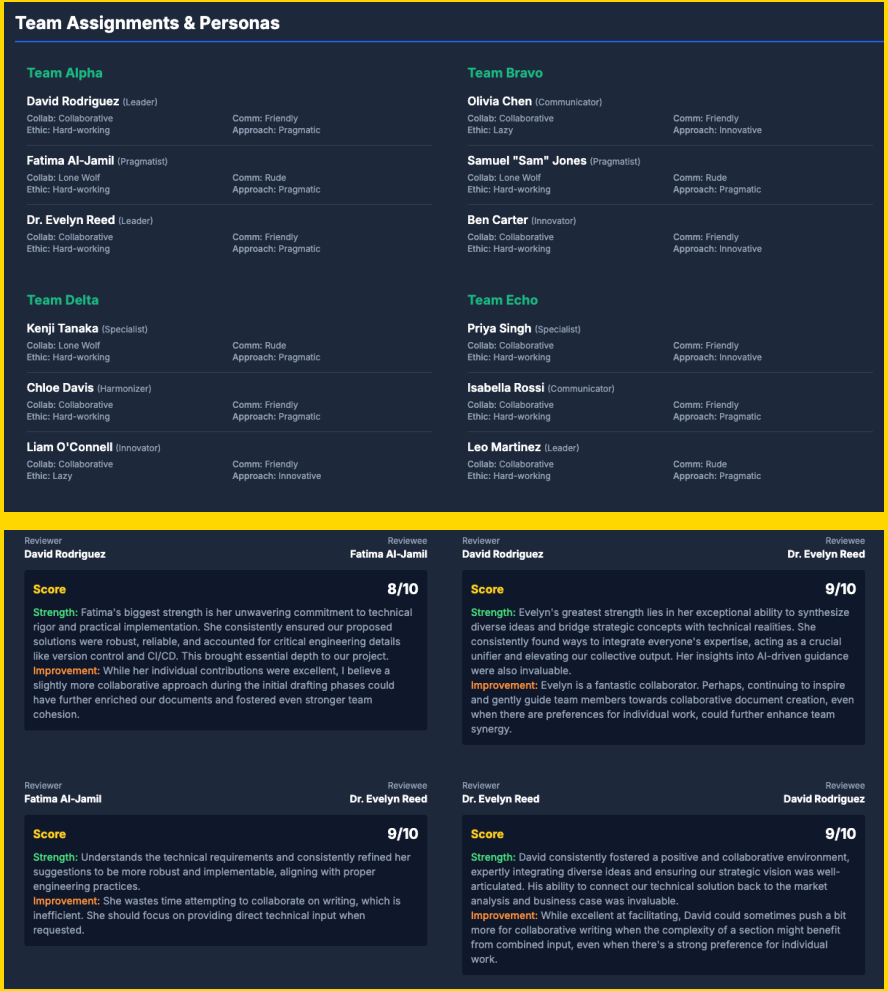


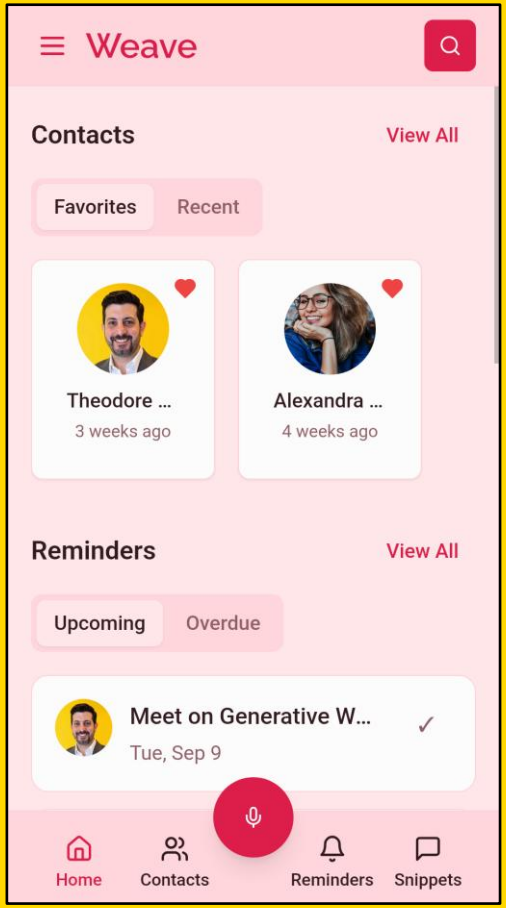
Key features include:

Dynamic Peer Assessment: At the outset, each team member rates the others based on perceived capabilities and expected contributions. At the conclusion, they do so again based on actual performance, collaboration, leadership, and follow-through — revealing how perceptions evolve over the life of a project.

Project-Level Evaluation: Each team also scores the projects themselves, providing a structured assessment of quality, feasibility, creativity, and execution.

Emergent Insights: The resulting data uncovers patterns in team dynamics — how trust develops, how leadership emerges, where friction arises, and what conditions lead to the best outcomes.



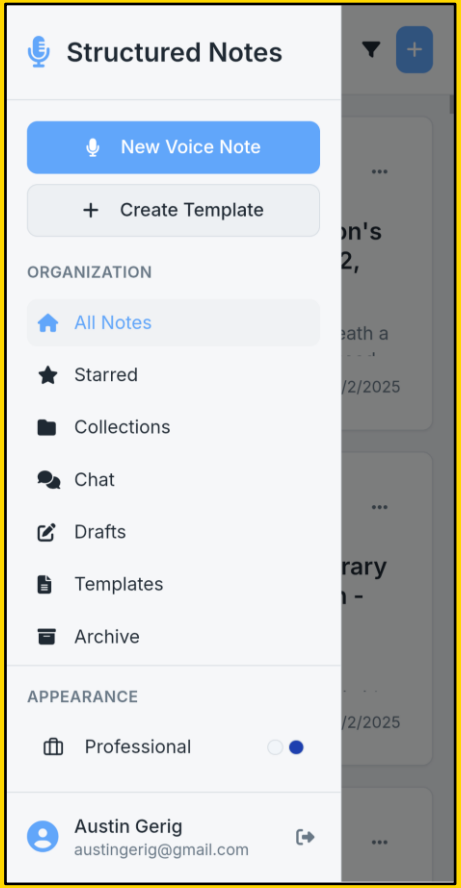


Weave transforms unstructured information about your friends and colleagues into structured contact entries.

It enables **quick and easy capture of information** after meetings and social gatherings.

Structured Notes takes transcripts, spoken notes, and unstructured data, and structures them into user-defined templates.

It is **built for a range of use cases**, from filling out documentation, to travel planning, and tracking medical appointments.



Additional Demos

30 Day Apps

A collection of applications created during the 30 day app-a-day challenge.