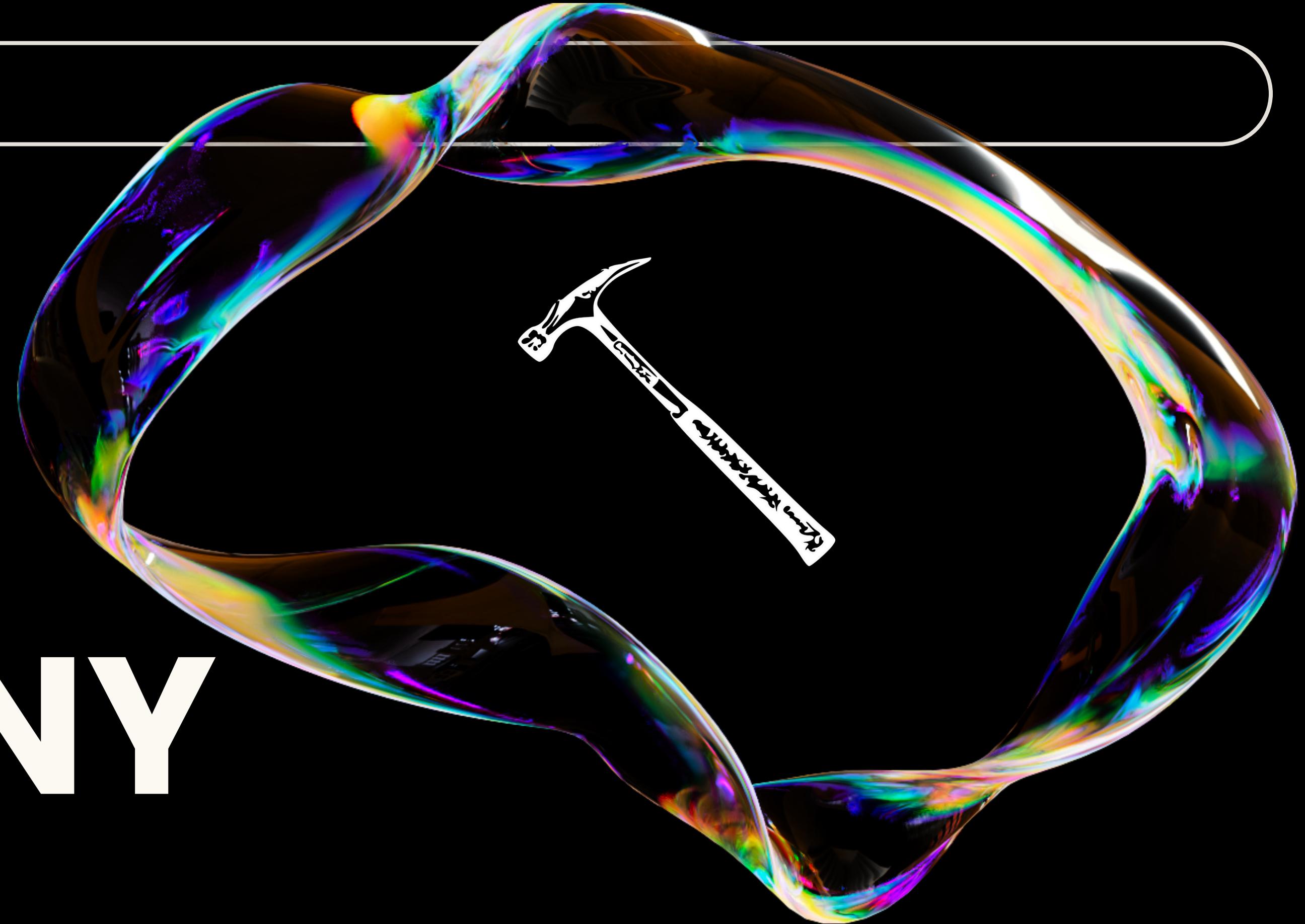


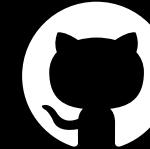


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MANNY



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<https://github.com/1J6K21/TidalHack2025>

MEET THE TEAM



in Jonathan-Kalsky



**JONATHAN
KALSKY**

BS Computer Science '29

in Nathan Fox



**NATHAN
FOX**

BS Mathematics '29

in Anthony-Hoang



**ANTHONY
HOANG**

BS Computer Science '29

in Dominic-Martinez



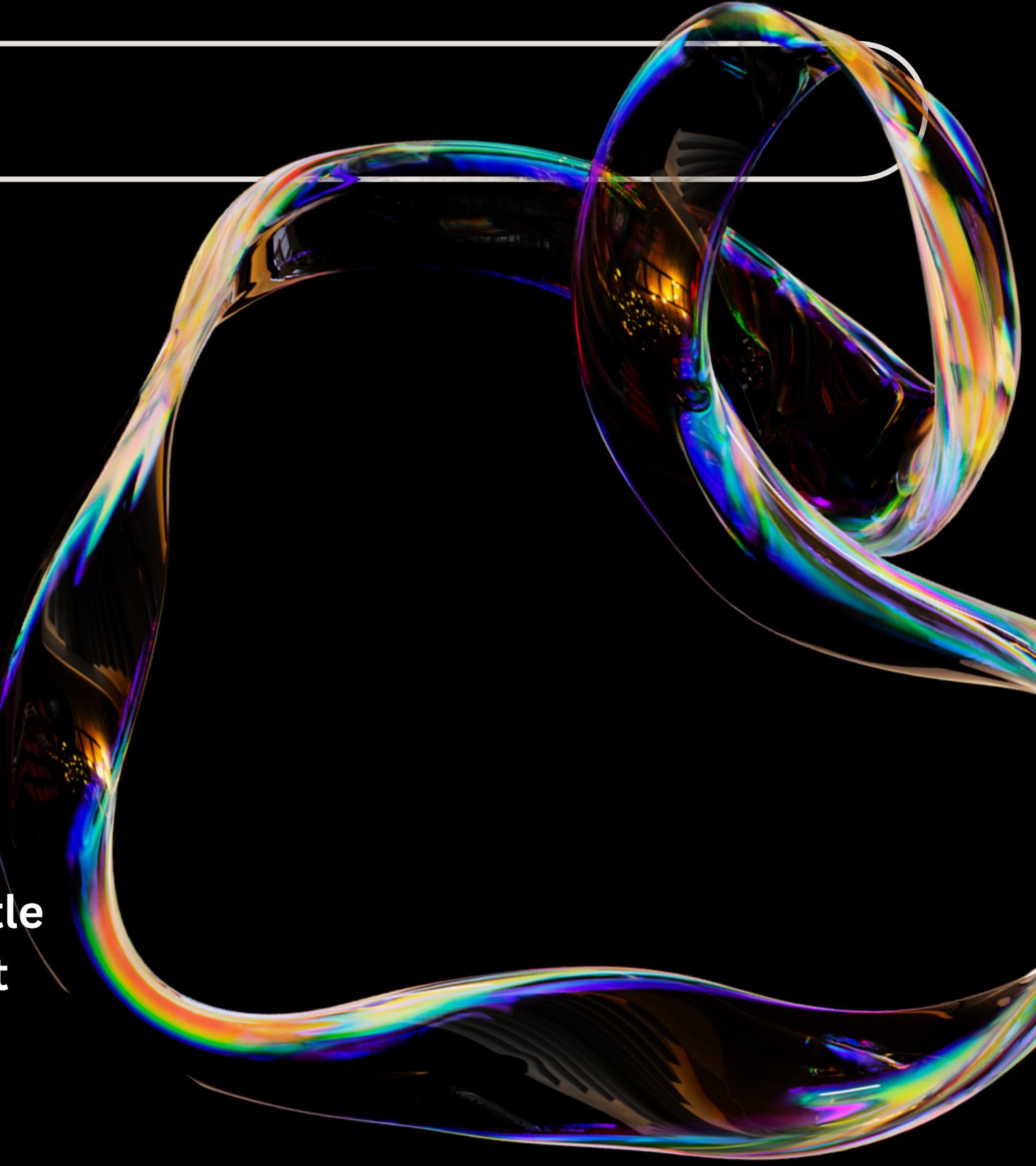
**DOMINIC
MARTINEZ**

BS Applied Mathematics
'28

PROBLEM

- DIY projects took the world by storm in the early 2000's.
- The internet drew people to the appeal to create whatever they wanted with their own hands
- But this comes at a cost...
- If you're a beginner or are doing something you may know little about, starting a project like building a shed or a craft project can seem extremely daunting.

Leaving you with no place to start, and forcing you to set aside your DIY aspirations.





PROBLEM CONT.

But this goes beyond just beginners...

- If an advanced woodworker wanted to work with a new wood he had never used before...
- An engineer, or non-engineer; An experienced worker, or a general user.

The information gap, or the amount of time consuming research required to start these projects, can be intimidating.

Making the world of DIY/Project Creation the perfect candidate for a modern, useful, and accurate AI assistant. Everyone can all make use of a Manny – A friendly manual assistant!





Manny.AI



ENTER MANNY...



WHAT IS MANNY?

Manny is a powerful DIY Personal Assistant that can:

- Outline the cost of a project
- Help you brainstorm ideas
- Generate step-by-step instructions with visuals to bring your idea to life!



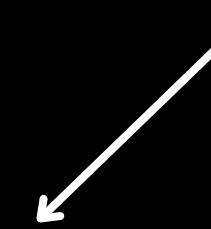
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PROJECT STRUCTURE

Idea

[Materials: Steps]



Find them on
Amazon

Generate Steps

Immersive Manual

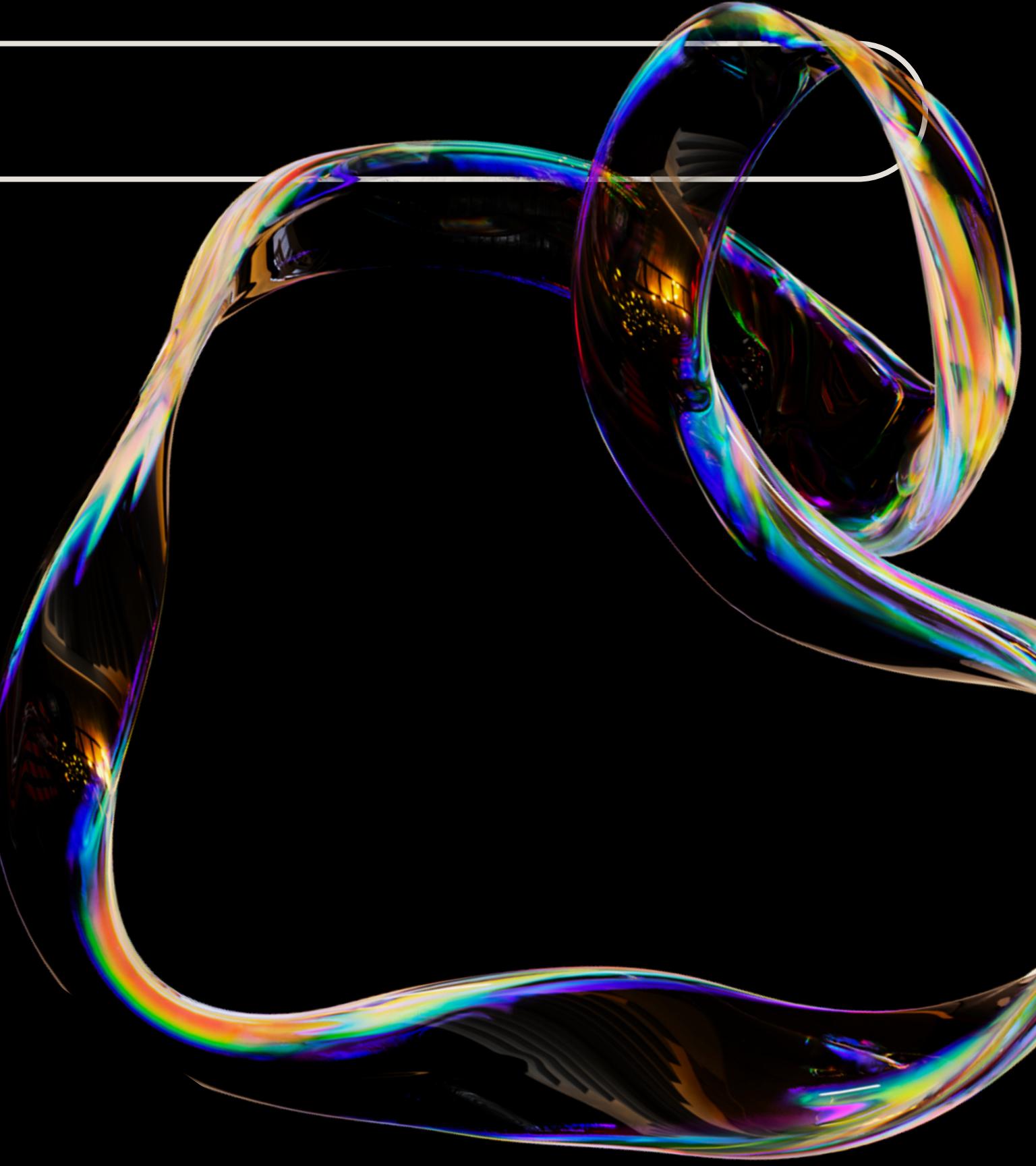


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DEMO



What Tools Do We Use?

Product Advertising (AWS)

- Material Search
- Material Prices
- Material Links



Gemini

- Inquiry Chat-Bot
- Image Generation
- Steps and Material Brainstorm



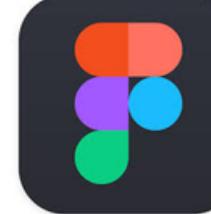
Firebase Cloud Storage

- Cloud Storage



Figma

- Prototyping
- Designing



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FUTURE → IMPLEMENTATIONS



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Construction Clip

We plan to add the ability for Manny to create video demonstrations of the build step, allowing for an even more immersive building experience.

Photo Ideas to Home

We expanded into new markets, improved operational efficiency, and saw an increase in customer satisfaction.



Add Material Types

We plan to implement the ability for DIY'ers to toggle if they want, cheaper or luxury materials providing another dimension of customizability.

Tool Toggles

We plan to add the ability for DIY'ers to toggle certain tools they already have, to prevent Manny from recommending the purchase, making Manny even faster than ever.



Manny.AI

THANK YOU

for your time and attention



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<https://github.com/1J6K21/TidalHack2025>