

PORTFOLIO · FEBRUARY – APRIL 2026

Tina Huang

Climate expertise, built into AI products.

YALE MEM

UC BERKELEY

BCG

WRI

8 products shipped · Feb – May 2026 · Zero developer background at the start

I shipped seven products in two months



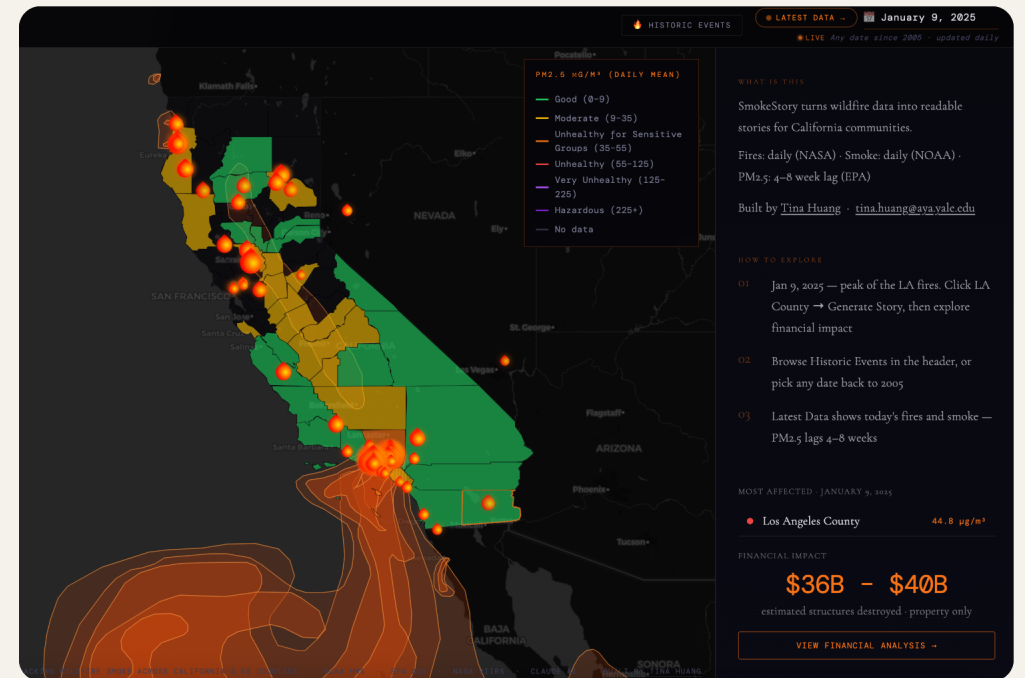
SmokeStory is a climate geospatial intelligence tool that turns satellite data into localized wildfire stories

WHY I BUILT IT

At WRI I worked on Resource Watch — an open data platform for climate data. The visualizations were compelling, but most people couldn't connect the numbers to a story they could understand or act on.

HOW IT WORKS

Near real-time satellite data from NASA and NOAA layers active fires, smoke, and air quality on a map. Click any county and the Guardian API generates a localized narrative with financial impact estimates. You can also search historical events. I've packaged the whole approach as a reusable Claude skill — anyone can adapt it for hurricanes, floods, or any climate disaster.



True Zero is an AI tool that analyzes corporate climate claims and actions

WHY I BUILT IT

At BCG, I built analytical frameworks for our climate and sustainability practice. Third-party organizations also do this, but it takes weeks of expert analysis. I also wanted to put that expert judgment layer into a tool.

HOW IT WORKS

AI reads sustainability reports and extracts the data. My BCG-trained framework — 20+ criteria — determines what it actually means. Six rounds of expert review before any finding is published. Output: a full package of analysis — target architecture, emissions trajectory, analyst briefing, and carbon portfolio analysis.

Having a target is not the same as having a plan

SELECTED VIEW

	Apple	Microsoft	Alphabet	Meta	Amazon
WHAT ARE THEIR TARGETS?					
Near-term SBTi	✓ Targets Set	✓ Targets Set	✓ Targets Set	✓ Targets Set	✗ Removed
Temperature standard	1.5°C	1.5°C	1.5°C	1.5°C	—
Net zero claim	Carbon Neutral	Carbon Negative	Net Zero	Net Zero	Net Zero
HOW RIGOROUS ARE THE TARGETS?					
Scope 3 in target	Full	Intensity	Partial	Full	None
All GHGs covered	✓	✓	✓	✓	✗
IS THE PLAN CREDIBLE?					
Transition plan	Published	Published	Published	Published	In progress
CapEx alignment	✓ Aligned	△ Partial	△ Partial	△ Partial	✗ None
Third-party assurance	Reasonable	Limited	Limited	Limited	Limited

NoThanks is a workplace AI chatbot that helps you say no professionally

WHY I BUILT IT

A lot of people say yes when they shouldn't — not because they're weak, but because they don't have the right words in the moment. That overcommitment leads to burnout. My BCG training in professional communication gave me frameworks for navigating exactly this. I wanted to make them accessible to anyone.

HOW IT WORKS

Describe the situation. NoThanks runs a short diagnostic conversation and generates a professional message you can send — accept with scope, delay, redirect, or decline.

[NOTHANKS-XI.VERCEL.APP](https://nothanks-xi.vercel.app) →



06 — DESIGN + CODE

My portfolio is built around who I am — Claude figured out the visual style and voice from our conversation

WHY I BUILT IT

I talked to Claude about my life, my work, and how I write. The site was designed from that conversation — Claude figured out the visual style and voice based on who I actually am, not a template.

HOW IT WORKS

Built from scratch with Claude Code — click in and more opens. Every design decision and line of copy traces back to something I actually said. The writing sounds like me because I spent hours teaching Claude how I think.



Yale MEM

UC Berkeley

BCG

WRI

DOWNLOAD FULL CV →

Tina Huang

CLIMATE EXPERT · AI BUILDER · PROBLEM SOLVER

I grew up in Hangzhou — one of China's most beautiful cities. For years, it also had some of the worst air. I wanted to do something about it.

At WRI, I analyzed national climate plans for countries around the world. The conclusion was uncomfortable: the world was far off track.

At BCG, I was the go-to knowledge team expert on climate science and policy. I helped a Middle East government write their national climate plans, and helped corporations build net zero strategies they could actually execute.

Now AI makes it possible to build faster and better than ever. I'm not going to miss that.

[TINAHUANG.VERCEL.APP](https://tinahuang.vercel.app) →

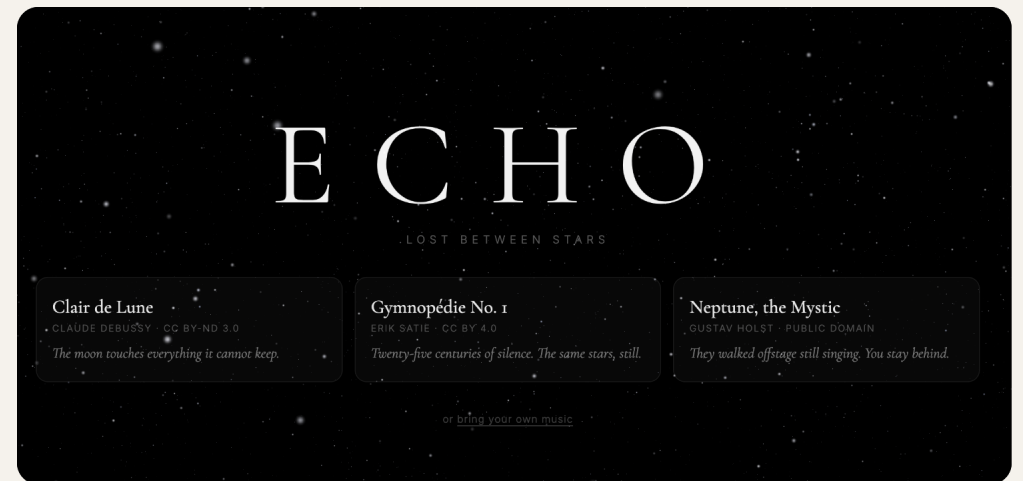
Echo is a music-reactive starfield — stars that breathe with every beat

WHY I BUILT IT

I watched Project Hail Mary and wanted to feel that — cold, vast, alone but not afraid. Most space visuals are dramatic. This one is quiet. I built it in a weekend.

HOW IT WORKS

A browser starfield that listens to music in real time. Bass, mids, treble — the stars breathe and flare with the song. Three classical pieces built in, or bring your own audio file.



Understory is a multilingual web art experience exploring the nature words English doesn't have

WHY I BUILT IT

English has no word for sunlight filtering through leaves. Japanese does: 木漏れ日. That gap exists in language everywhere — and most people sense it without knowing it. I wanted to build something that closed it not through explanation, but through experience.

HOW IT WORKS

A dark field of nature words from 12 languages. Click one and the screen becomes a full-screen visual and sonic experience — the word, its meaning, and the feeling it points at.



09 — PERSONAL · PURPOSE-BUILT PRODUCT

Golf Diary is a purpose-built app that tracks one player's complete golf journey — scores, reflections, and real growth over time.

WHY I BUILT IT

My mom has been playing golf for a year and her goal is to break 90. She loves to improve — and she wanted to look back at every round and see how far she's come. No app does this for one person. I built it as a birthday gift.

HOW IT WORKS

Log a round: enter the score, write one reflection, set one goal. The home screen tracks her progress over time. When she hits a personal best, an alert fires. An AI reads through all her past reflections and tells her exactly how she's grown — not generic encouragement, but insight specific to her game.

AVAILABLE UPON REQUEST

AI 复盘

AI 帮你提炼成长亮点，选择复盘范围：

最近 5 场

全部 18 场

成长复盘

🌱 发球稳定性明显提升，开球落点越来越准。过去18场中，有12场提到了发球满意。

🎯 推杆是最大的突破口。5米以内的短推命中率若能提升，87杆以内完全有可能。

📈 三个月内均杆从97降到90，进步了7杆，势头非常好。

I give back by openly publishing my AI + climate learning journey — notes, insights, and demos as I build

WHY I BUILT IT

I started in February with no developer background. I've always documented things as I learn — so I thought, why not share the journey publicly? Someone would have found it useful before me.

HOW IT WORKS

All my notes, courses taken, and case studies are open source on GitHub. I share live demos and build updates on LinkedIn and WeChat as I ship — not just learning in public, but building in public.

[GITHUB.COM/TINAHUANG1994/CLIMATE-AI-JOURNEY](https://github.com/tinahuang1994/climate-ai-journey) →

[READ: WHAT ACTUALLY WORKS ABOUT LEARNING BY BUILDING](#) →

My Climate AI Engineering Journey

How I went from "writing prompts" to building agentic systems for climate data — in public.

This is a living repository documenting my ongoing journey into Climate AI Engineering. Rather than just collecting notes, I applied every concept to a specific mission: **How can AI help us navigate complex climate data?**

Started: February 2026 — actively updated

The Backstory

In February 2026, I started with a simple goal: figure out how to write better prompts. That curiosity turned into a "rabbit hole" through courses from **Google, Anthropic, Stanford, MIT, Columbia, CalArts, and DeepLearning.AI**.

I realized that to actually move the needle on climate work, I needed more than a chatbot — I needed a system. This roadmap tracks my evolution through five distinct phases.

■ **New here?** Read the [Full Guide](#) first — it's the syllabus that explains every module, the key learnings, and how it all connects.

I'm looking for the right place to build what comes next

Tina Huang Climate AI Builder · Climate Policy Expert

Yale University

University of California, Berkeley

WORLD RESOURCES INSTITUTE

Research Analyst, Global Climate Program

- Analyzed NDCs for 190+ countries — assessed ambition gaps and built emissions quantification models
- Contributed to Resource Watch and Climate Watch — communicating climate data to 20,000 monthly visitors
- Cited by Reuters and Business Insider

BOSTON CONSULTING GROUP

Senior Knowledge Analyst, Climate & Sustainability

- Go-to climate science and policy expert, BCG Center for Climate & Sustainability — built IPCC briefings and NDC benchmarking frameworks deployed firm-wide
- Served as client-facing expert for a Middle East government developing their NDC and long-term climate strategy
- Net zero roadmaps for corporations and national adaptation plans for governments

I'm looking for companies and organizations that I can purpose-build AI tools for.

LET'S BUILD TOGETHER →