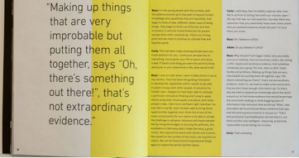


Project 1  
Publishing Forms  
Gao Li

# Talking to Machines

This handmade wirebound book is centred on minimalist visual typography, balancing functionality and aesthetics through grid layouts, with detailed white space to enhance readability. Combined with AR scanning to trigger dynamic information layers, it visualises technical concepts.

## Inspirations



14 numbered sketches of book spreads, including a cover labeled 'cover'.

12 sketches of book spreads arranged in a grid, some with text like 'Talking To Machines'.

I used alternating page layouts...

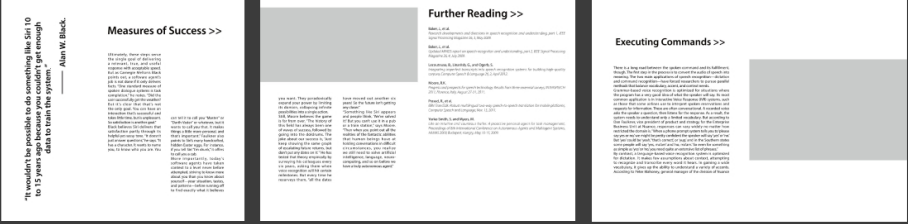
Talking To Machines

I used alternating page heights to highlight quotes from the original text. Shorter pages act as visual breaks, focusing attention while preserving the grid's rhythm.

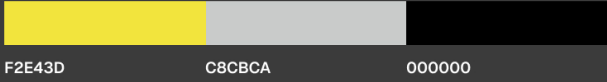


# Process

## Layout

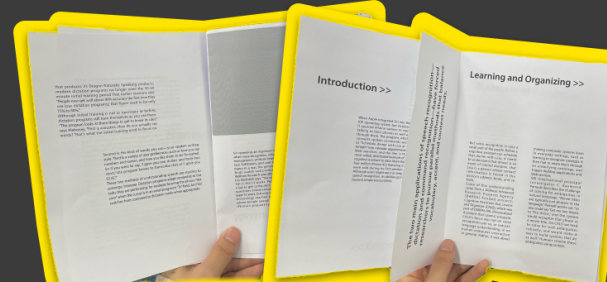


# Colours & Fonts



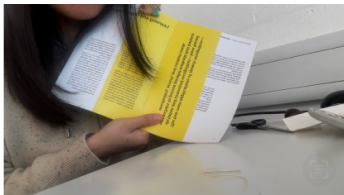
# Test

After printing the initial low-fidelity prototype, I tested the layout to identify flaws and found that certain text blocks lacked readability due to inconsistent font sizes, while visual hierarchy was disrupted by uneven spacing. To address this, I adjusted typography scales, and optimized margins to ensure clarity and cohesion in the final design.

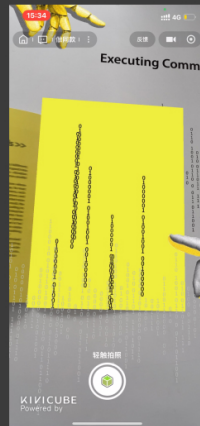
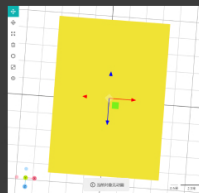
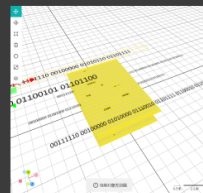


# Process

## Printing & Binding



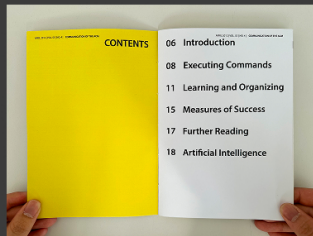
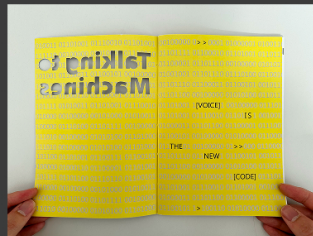
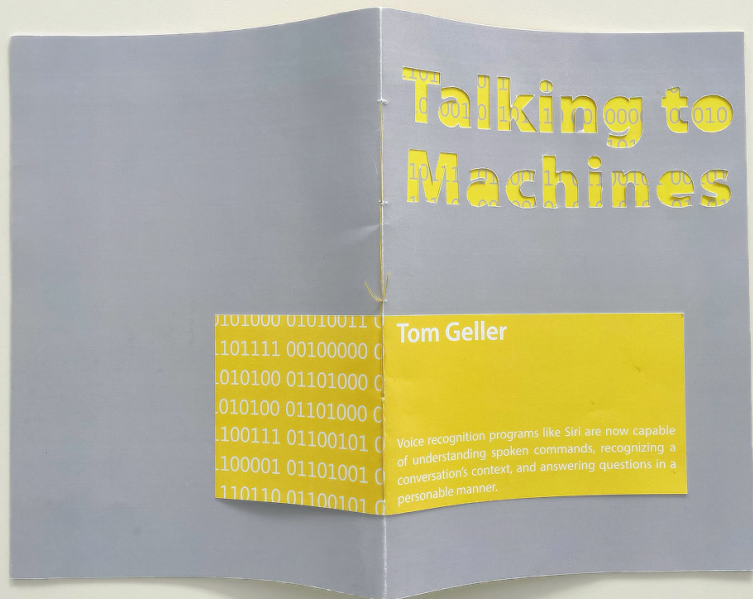
## AR



Watch Video



# Outcome



[illegible][illegible][illegible]

while teaching a computer to learn them requires building very long lists of such things as addresses, people, movies, and organizations, along with a solid categorization system to manage them. More than CICO suggested a new approach to the development of a spoken interface to a set of Web services, eventually realized in Set, which was built by a company the

while teaching a computer to learn them requires building very long lists of such things as addresses, people, movies, and organizations, along with a solid categorization system to manage them. More than CICO suggested a new approach to the development of a spoken interface to a set of Web services, eventually realized in Set, which was built by a company the

[illegible]

... ..

It wouldn't be possible to do something like *Siri* 10 to 15 years ago, because you couldn't get enough

Unfortunately, these things serve the single goal of delivering a relevant, true, and useful response with acceptable speed. But as Carnegie Mellon's Hall points out, a software agent's job is not done if it only delivers facts. "The standard measure of spoken dialogue systems is task completion," he notes. "Did the user successfully get the answer he or she wanted? That's the only goal. You can have an interaction that's successful and takes five hours, but is unpleasant to participate in another goal?" Hall believes that delivers the satisfaction pretty though in helpful but noisy tone. "I don't like answer questions," he says. "I like a character. It's worth to make sure, to know who you are."

[illegible]

## APRIL 2012 / VOL. 33 / NO. 4 / COMPARISON OF THE NEWS

that produces its Dragon NaturallySpeaking products, modern dictation programs no longer need the 30-minute initial training period that earlier versions did. "Though new get well above 90% accuracy the first time they use our dictation programs, that figure used to be only 70% to 80%."

Although initial training is not as necessary as before, dictation programs still train themselves as you use them. "The program looks at three things to get to know its user," says Mahoney. "Is it acoustics, how do you actually

Second is the kind of words you chose. That is a variety of case-probe numbers and names, and how you do. So if you were to say, "I gave you cents," the program knows to test \$142."

These two methods of underlining converge, however. Distalite prays that they are performing, for now can't when the domain is as small as this. So from convergence to distalite.

The two main applications of speech recognition are dictation and command recognition—have researchers to pursue parallel methods that to vocabulary, accent, and context needs.

But voice recognition is only a small part of the puzzle. Being a cognitive assistant can schedule that dinner with Lisa. It needs to understand that dinner is an event of limited duration, that Lisa is a person whose contact information is stored in the device's address book, and so forth.

Some of this understanding came from a Defense Advanced Research Projects Agency (DARPA)-funded project, Cognitive Assistant that Learns and Organizes (CALO), which ran from 1996 to 1999. Funded Assistant that Learns (FAL) was CALO's focus, but no voice recognition got in, or natural-language understanding, or on-line computer information.

making intelligent systems learn to handle variations, such as learning to recognize concepts, it does lead to more robust though an underlying ambiguity, and trigger desktop applications and Web services.

SRI International principal investigator C. Raymond Renshaw describes the challenge of solving for ambiguities in natural language. "Movie titles are typically just phrases in the language," Renshaw points out, "so you could say 'Get me two tickets to *The Artist*,' and the system would recognize that phrase as a movie title. On CALO we tried to solve for such ambiguities robustly, and would make it easy to build systems that do as well." Humans resolve these

[illegible]

## APRIL 2004 VOL. 32 / NO. 4 EXAMINATION OF THE ACRN

## AI ASSISTANTS LIKE SIVA DRIVE EFFICIENCY AND USE THROUGH PERSONALIZED SUPPORT

INTERACTIONS BUT REMAINING  
ACHIEVING HUMAN-LIKE

you want. They paradoxically  
profoundly affect the landscape

U&I, Moore believes the game is far from over. "The history of this field has shown how one

by going over the Goldmans. The joke about our nation is, 'Just keep showing the same growth of residential loans volume, but

don't put any dates on it." He has noted that theory creepingly by surveying his colleagues every six years, asking them when wine recognition will be common.

## Figures 33

Apple Device: See *Apple Device Engineering Hurdles* (2020) PCMag/UK. Available at: <http://uk.pcmag.com/articles/156716/apple-device-engineering-hurdles>

[illegible]

## Computer Passes IQ Tests, Say Researchers

[illegible]

### \_\_\_\_\_ Nail Savers

Process

