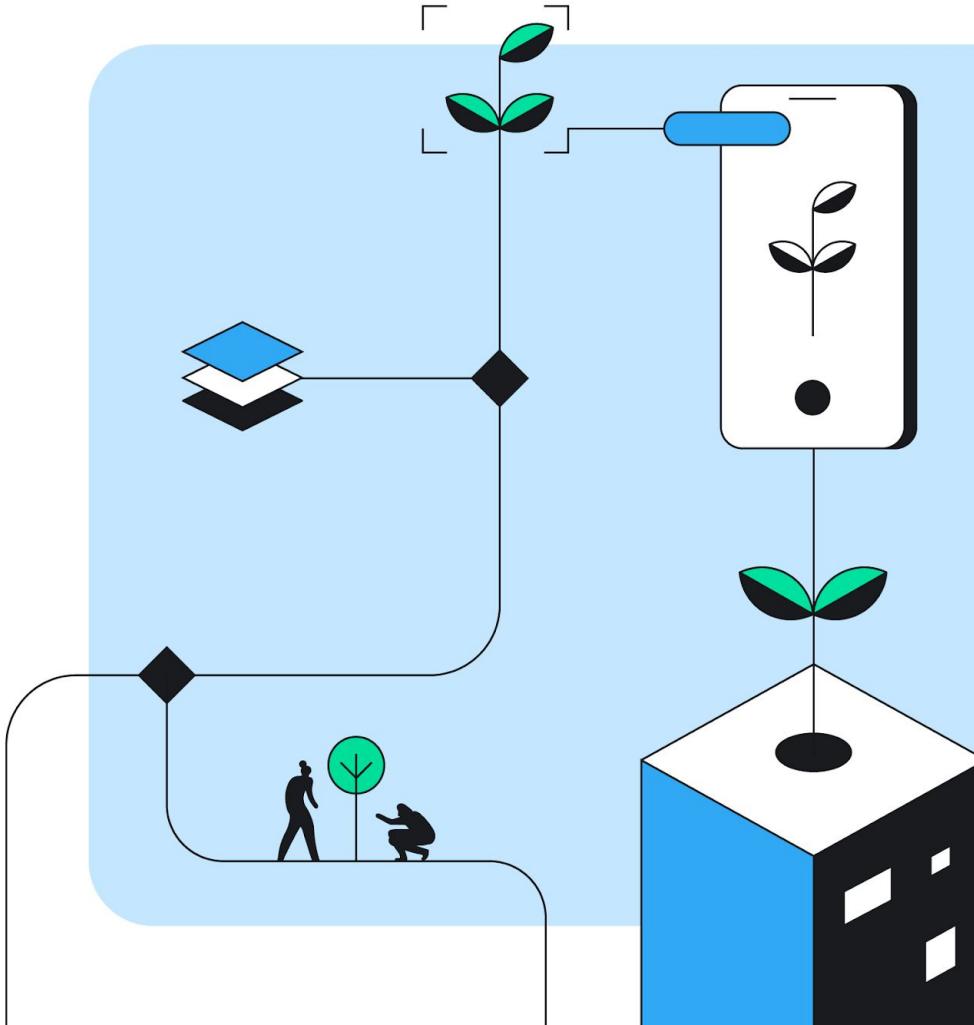


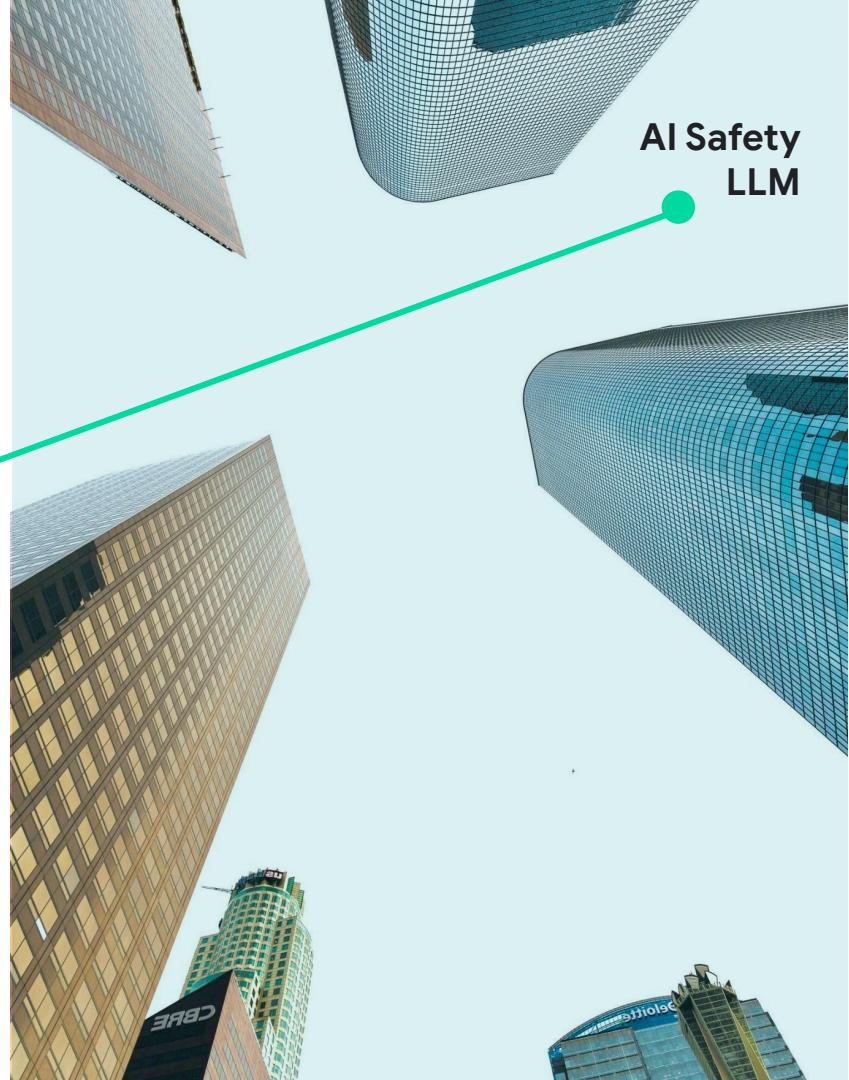
# Homeschooling to AI: Designing Your Tech Transition

**ChengCheng Tan**

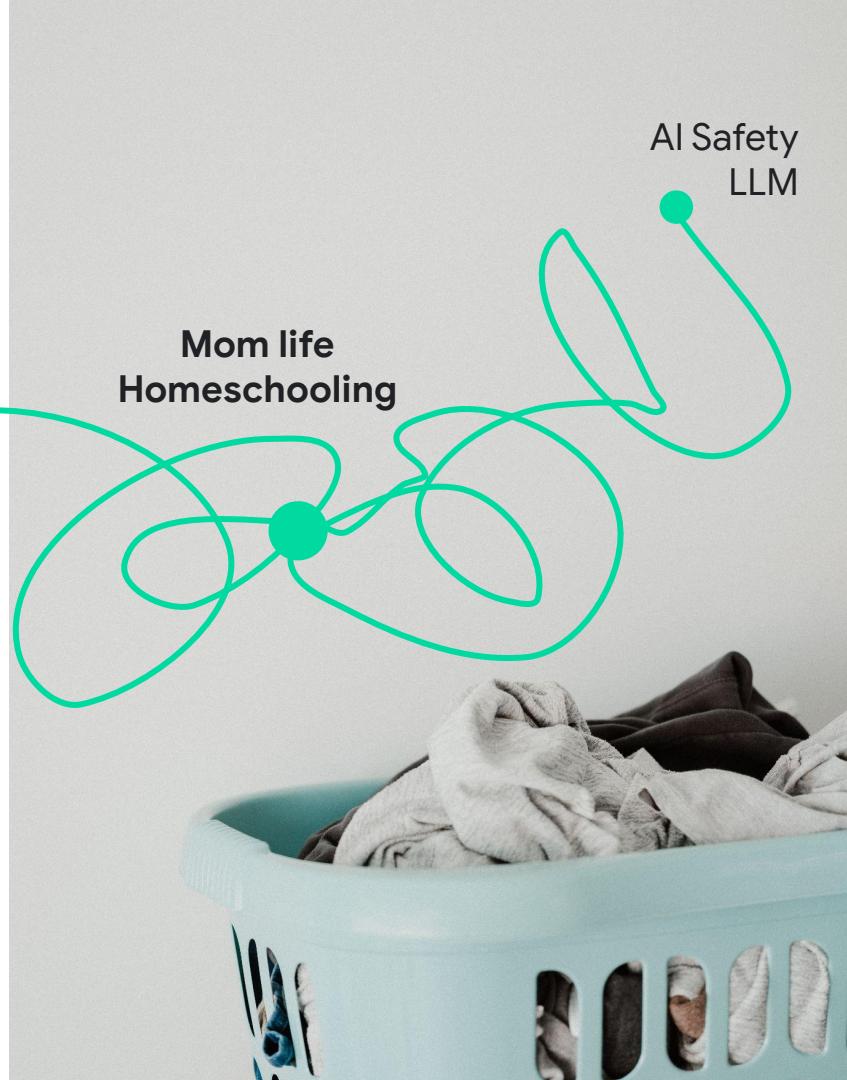
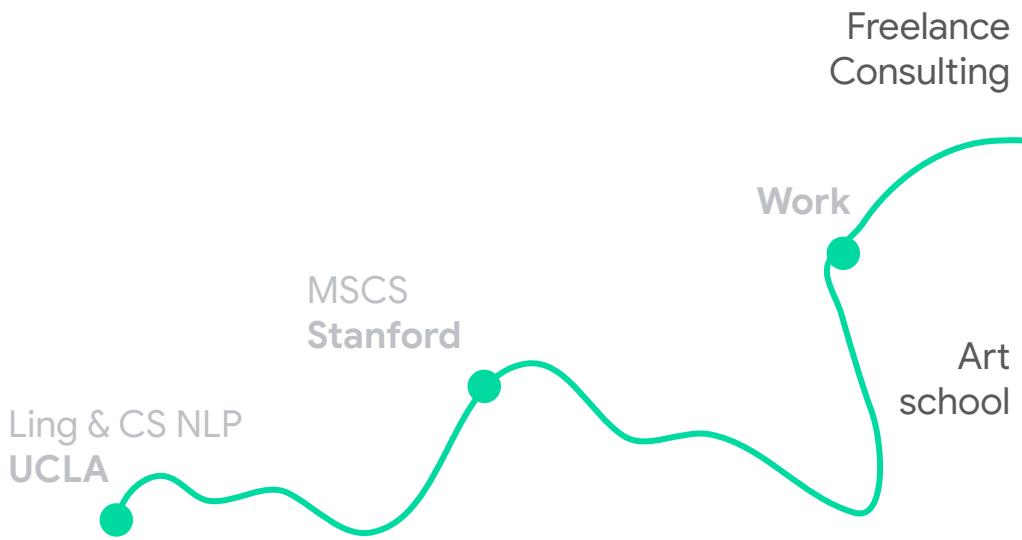
LLMs & AI Safety Consultant  
Cheng2 Designs & FAR AI



# Illustrious Career



# Winding Reality



**Impact the Future**

International Women's Day 2024



# Key Lessons to AI



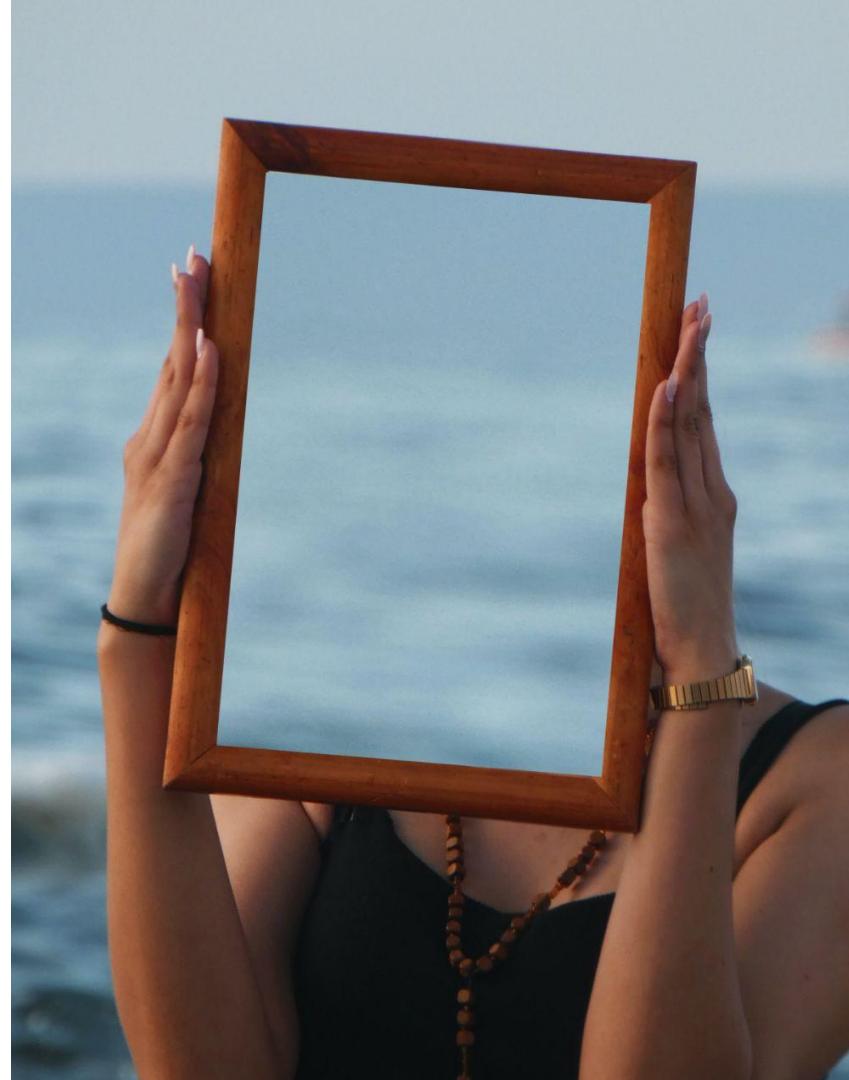
# Learn to Fish

- Tech boom
- AI revolution
- Growth mindset



# Reframed Narrative

- Transferable Skills  
Research, organize, communicate
- Leverage Experience  
Degree, work, hobby
- Combine with AI  
Healthcare, finance, arts ...





# Curriculum

- Review Math  
Statistics, Calculus, Linear Algebra
- Online Courses  
Google ML Crash Course  
DeepLearning.AI & fast.ai  
Stanford CS224 NLP
- Hands-on ML book

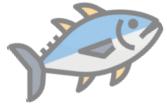




# Projects

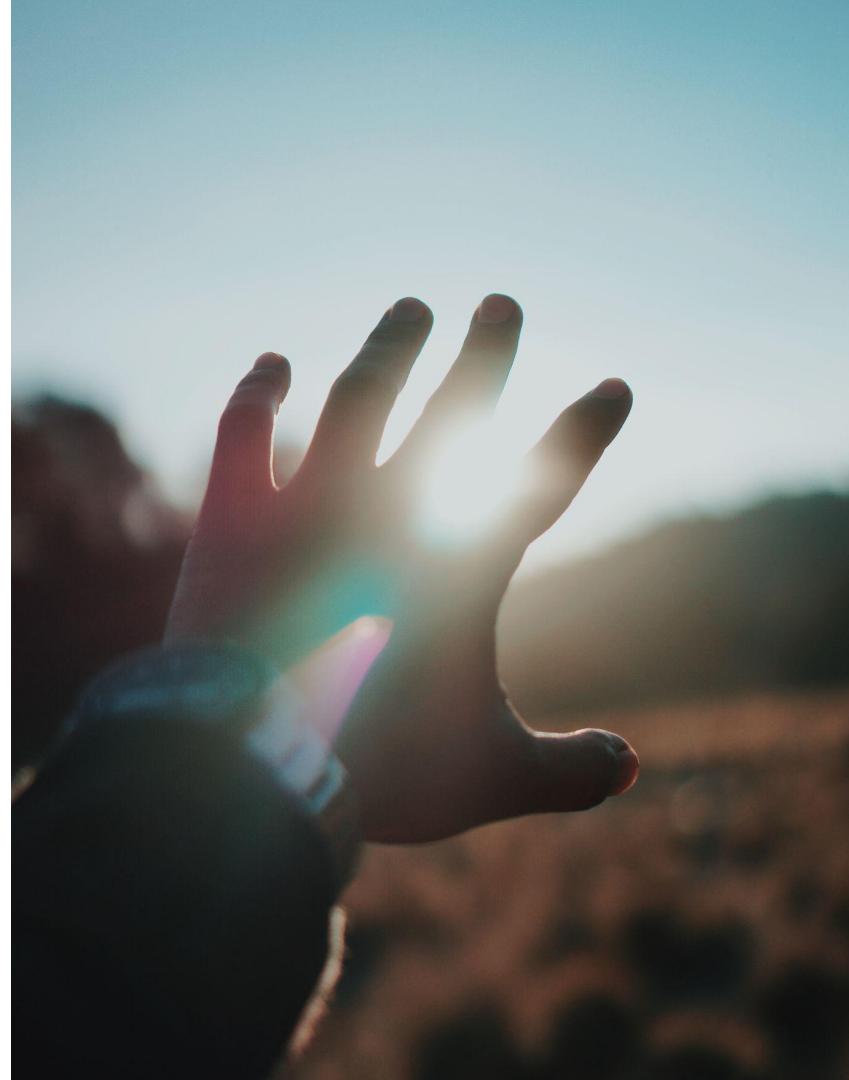
- Kaggle & TensorFlow
- Volunteer Open Source
- Presentations & Mentor  
*Expert vs peers*
- Portfolio & Blogs





# Suggestions

- Understand Principles  
*Tools & libraries*
- Apply to Your Niche  
*Work, hobby, group*
- Find Community  
*Peers, support, motivation*



# Explore + Exploit

Lifelong Learning

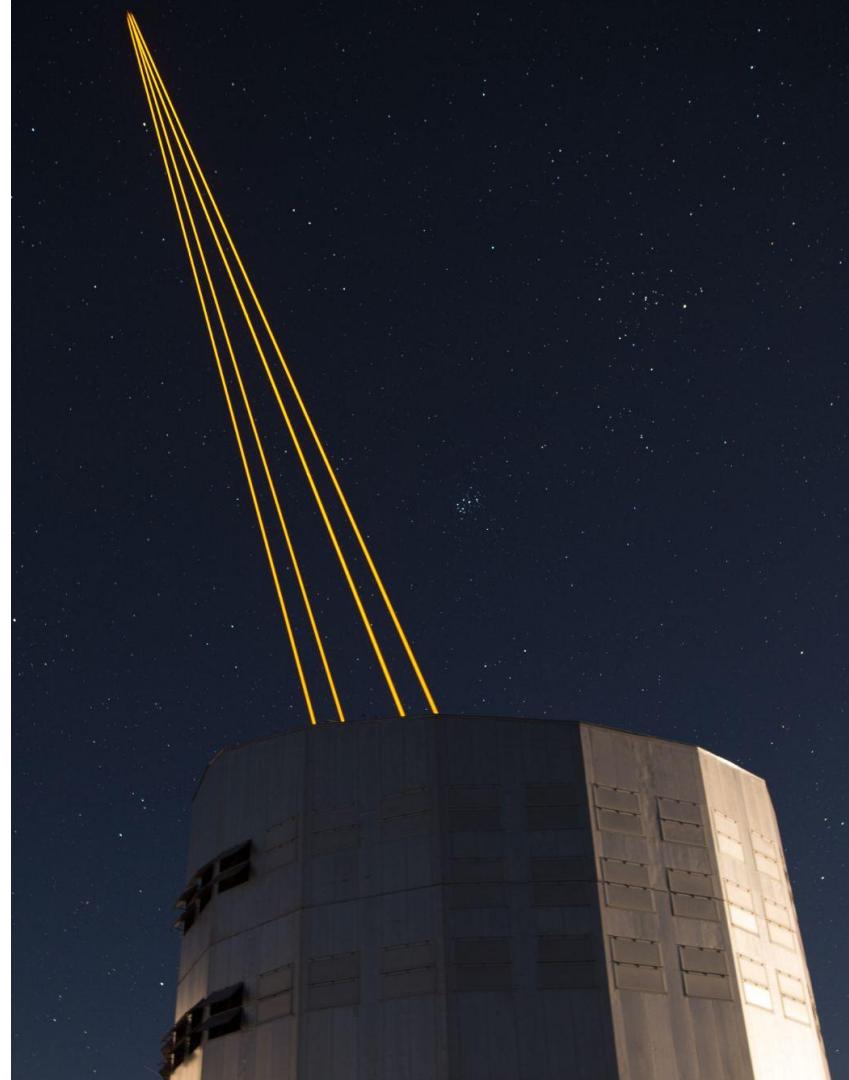
- Humility & Curiosity
- Fundamentals not Fads



# **Explore + Exploit**

Hands on Projects

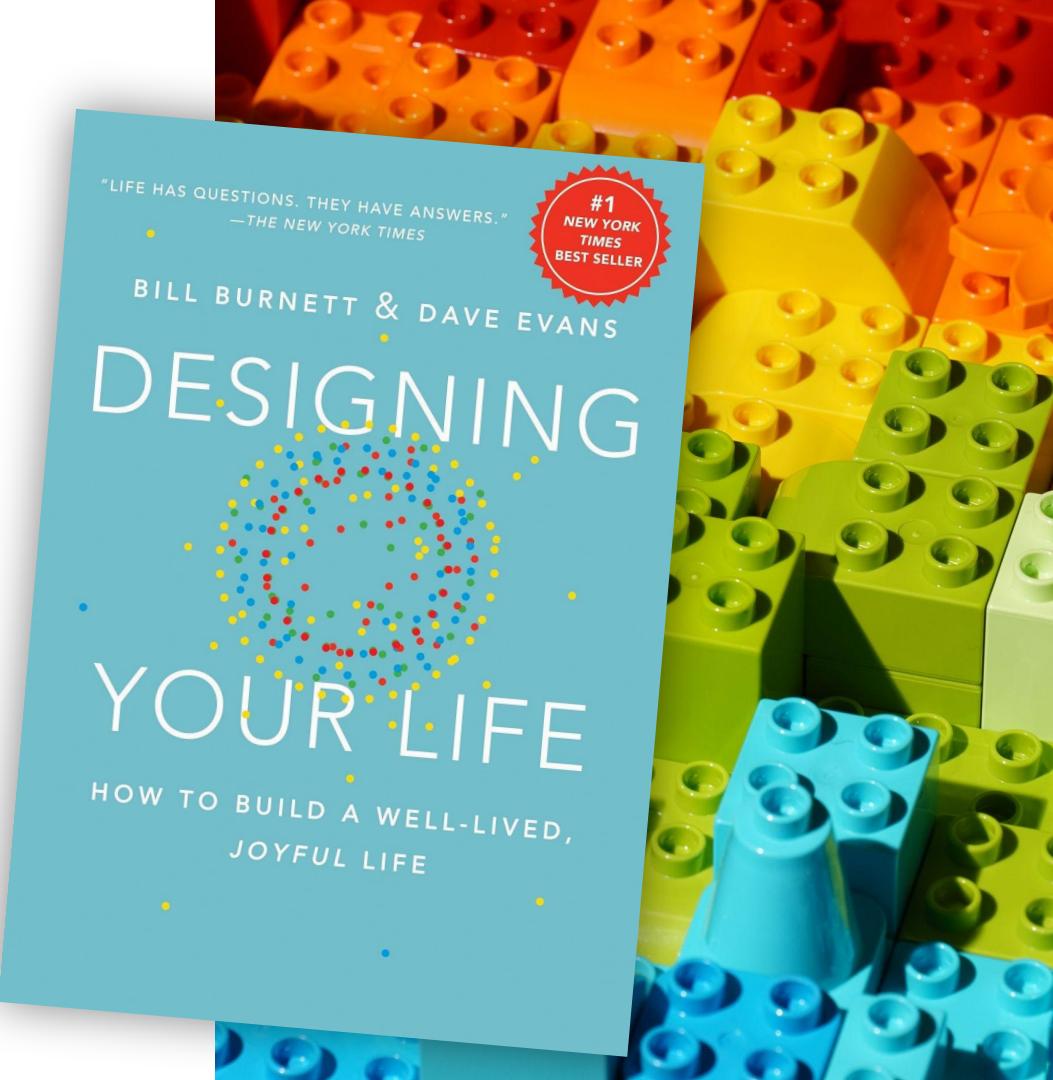
- Confidence
- Progress not Perfection



# Design Thinking

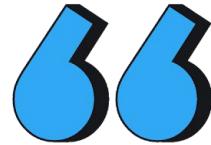
## Solving Problems

- Research  
Reframed Narrative
- Define + Ideate  
Set Goals + Brainstorm
- Prototype + Test  
Iteratively Explore + Exploit



# Impact the Future

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If you don't know  
where you are going,  
every road will get you nowhere.

Henry Kissinger

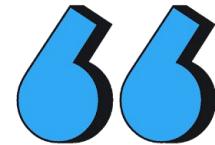
# Set SMART Goals

- Specific
- Measurable
- Attainable
- Relevant
- Time bound



# Impact the Future

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**A goal without a plan  
is just a wish.**

Antoine de Saint-Exupéry

The Little Prince

# Brainstorm Plans

Think beyond the Default  
Creativity is a Muscle

- Career
- Education
- AI



# Impact the Future

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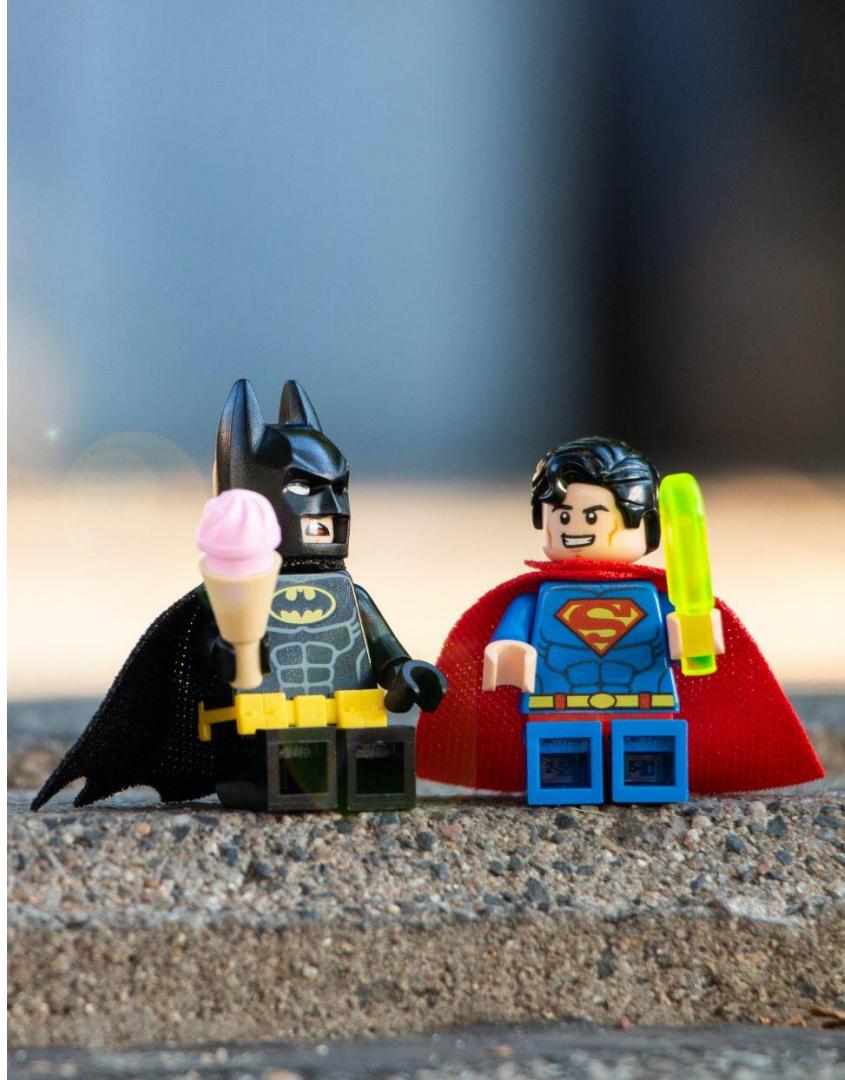
## Exercises



# Design Thinking

## Practice

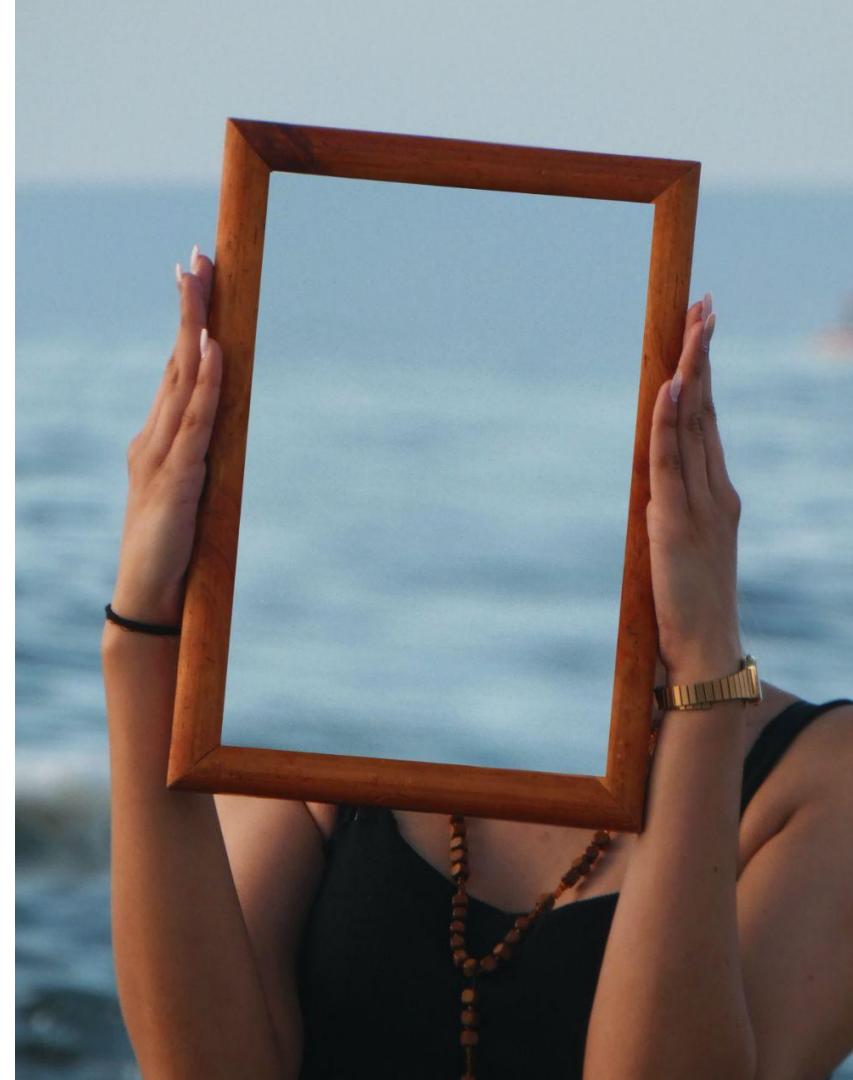
- Reframed Narratives
- Set Goals + Brainstorm
- Explore + Exploit



# Design Thinking

## Practice

- Reframed Narratives
  - Who you are
  - What you're doing
  - Major, project, class, job?
- Set Goals + Brainstorm
- Explore + Exploit



# Design Thinking

## Practice

- Reframed Narratives
- Set Goals + Brainstorm
  - What you want
  - Job, internship, study buddy
- Explore + Exploit



# Design Thinking

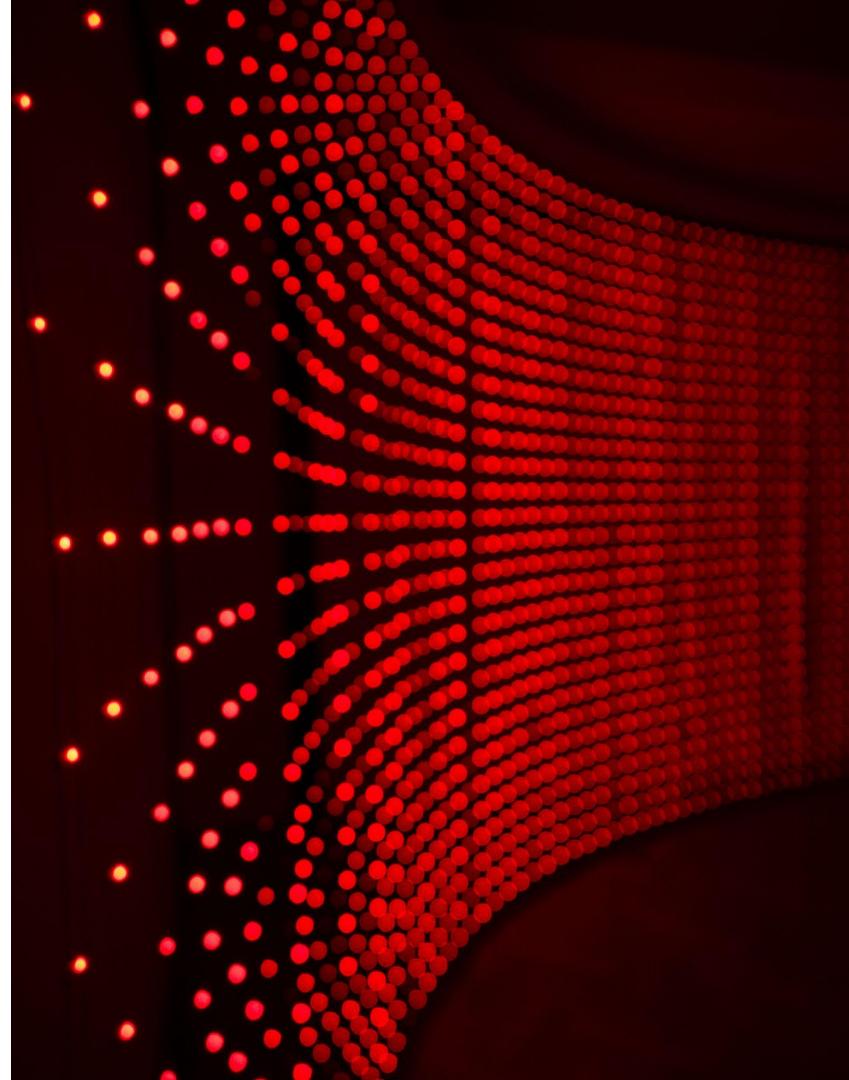
## Practice

- Reframed Narratives
- Set Goals + Brainstorm
- **Explore + Exploit**

Active listening

Ask questions, offer suggestions

Connect & follow up



# Simple Plan

- Find new partner
- 2.5 minutes 1st partner
- 2.5 minutes 2nd partner
- Repeat

Questions?



# Showtime!

- **Reframed Narratives**

Who you are

What you're doing

Major, project, class, job?

- **Set Goals + Brainstorm**

What you want

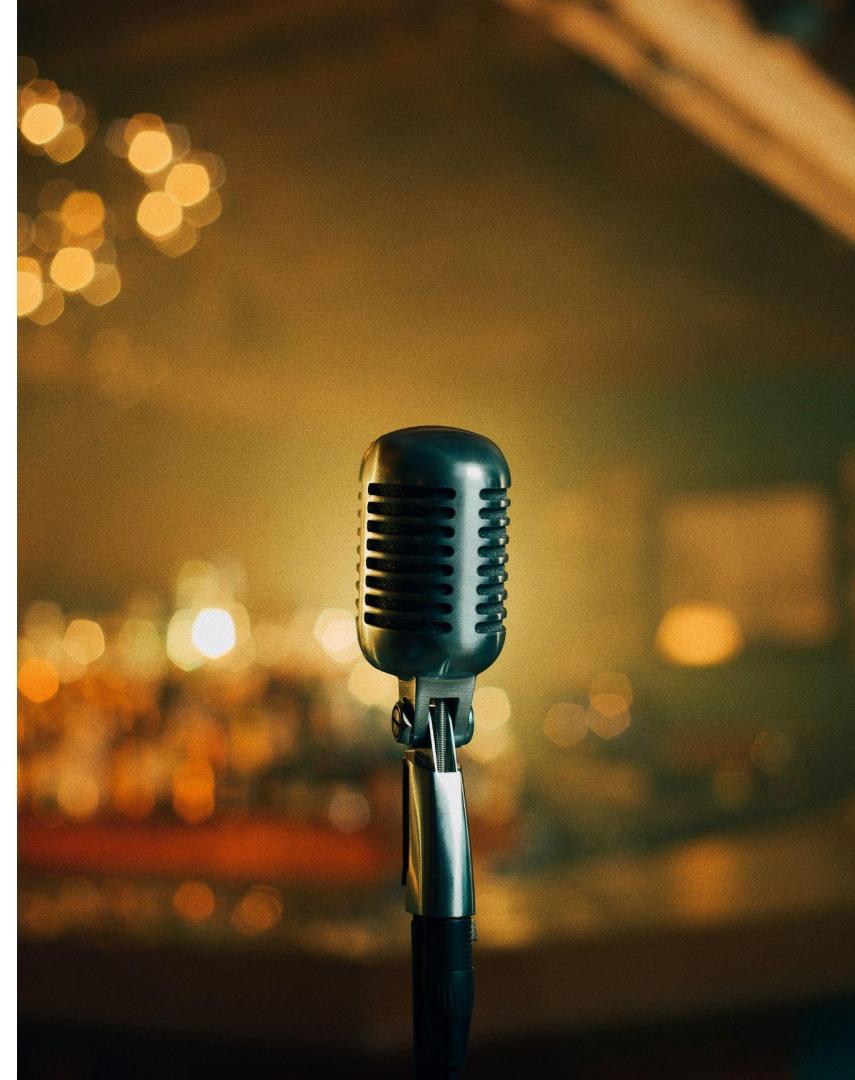
Job, internship, study buddy

- **Explore + Exploit**

Active listening

Ask questions, offer suggestions

Connect & follow up. Iterate...

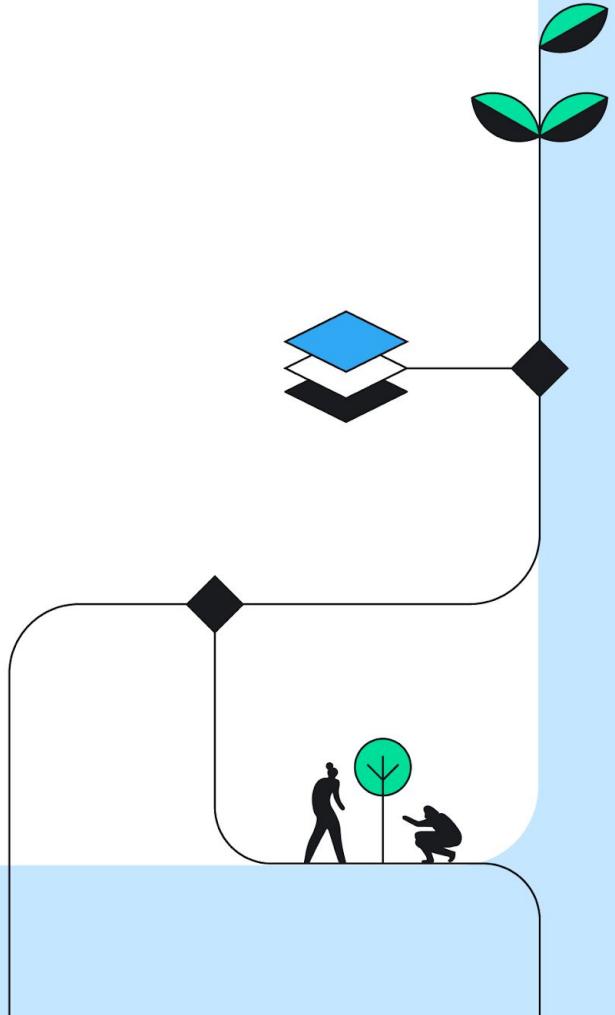


# Impact the Future

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“

**Whether for AI or life...  
New things are awkward.  
Mistakes won't kill you.**



# Resources

[bit.ly/cheng2-slides-2024-03-09-iwd](https://bit.ly/cheng2-slides-2024-03-09-iwd)

## 1. DeepLearning.AI

Full specializations + many 1-hour short courses

## 2. Introduction to Generative AI

Earn badges completing learning path with videos & exercises

## 3. ML Crash Course

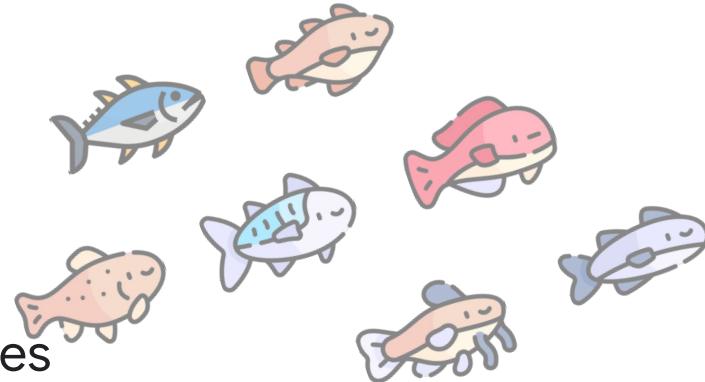
Google's fast-paced, practical intro to ML

## 4. fast.ai

Practical guide for those with coding background

## 5. Made with TFJS, MediaPipe

Cool ML projects for web & beyond



# Impact the Future

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“ ”

**Stay curious.  
Keep learning.  
Try new things.**



# Impact the Future

International Women's Day 2024

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 cheng2-tan  
 @cheng2\_tan

