

Impact the Future

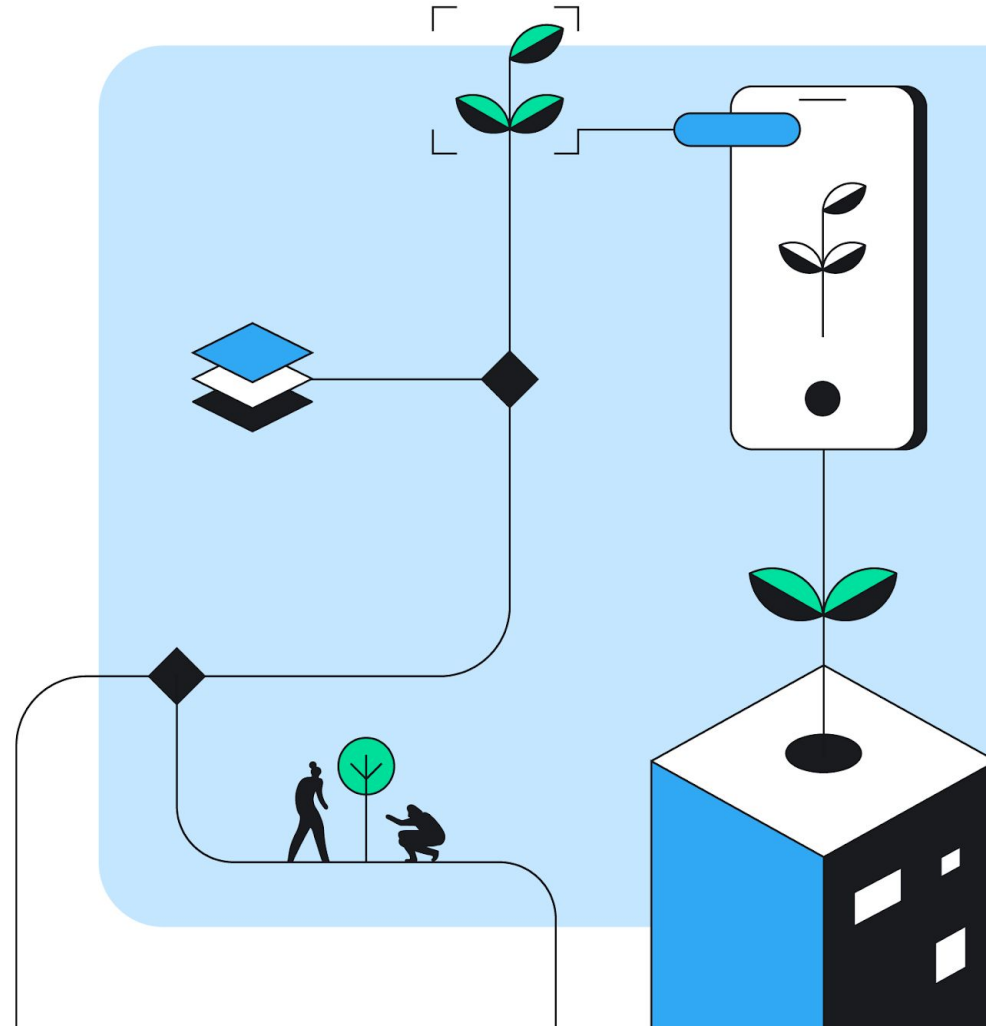
International Women's Day 2024



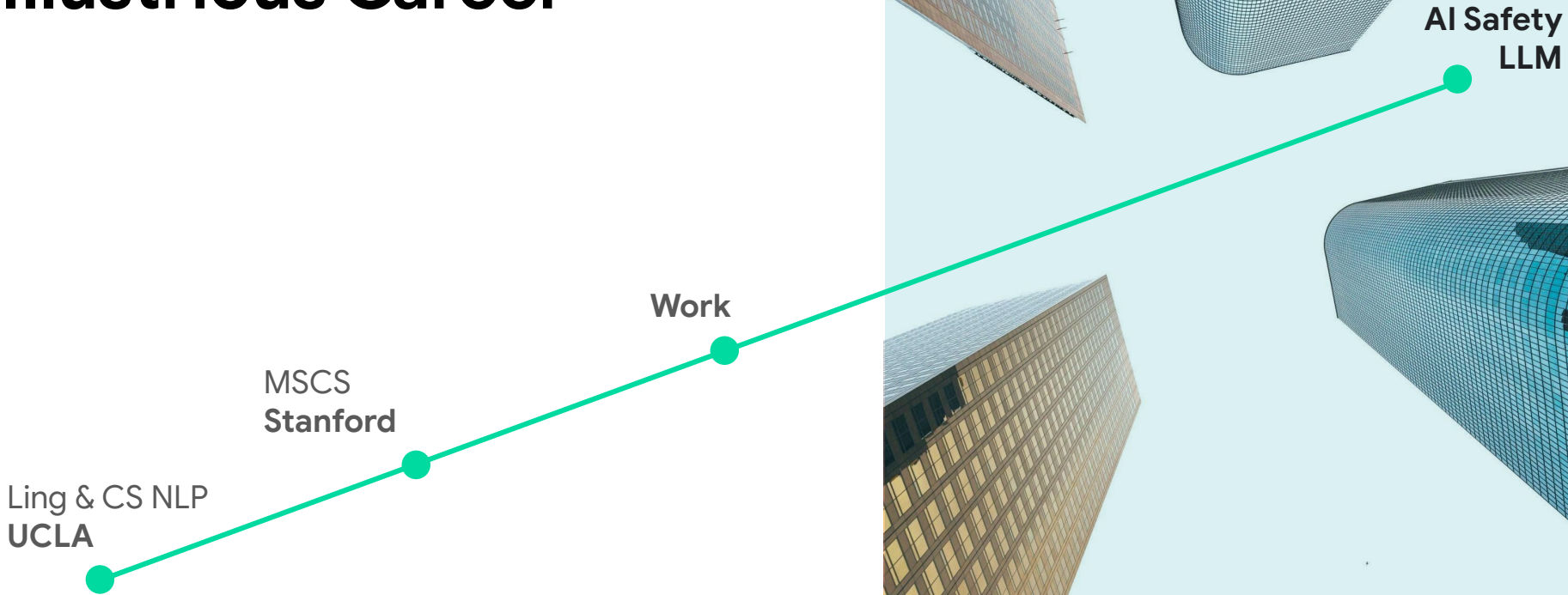
# Homeschooling to AI: Designing Your Tech Transition

**ChengCheng Tan**

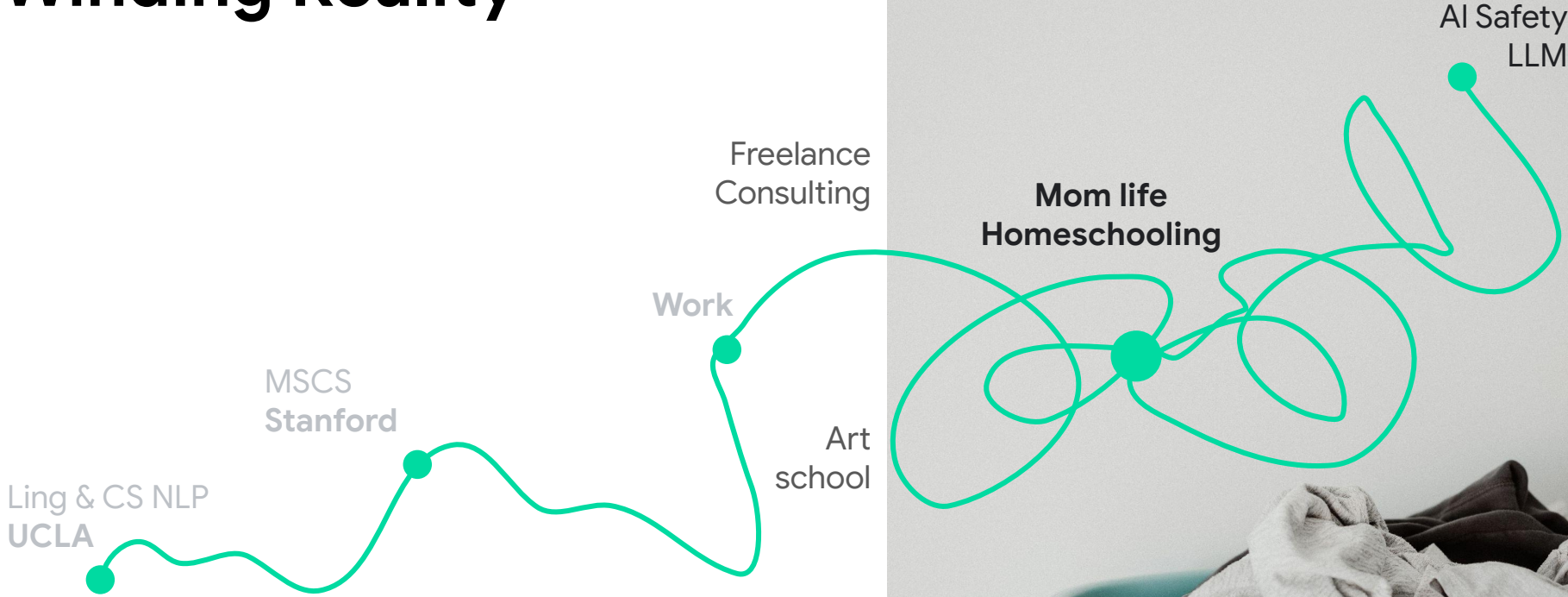
LLMs & AI Safety Consultant  
Cheng2 Designs & FAR AI



# Illustrious Career



# Winding Reality





# Key Lessons to AI



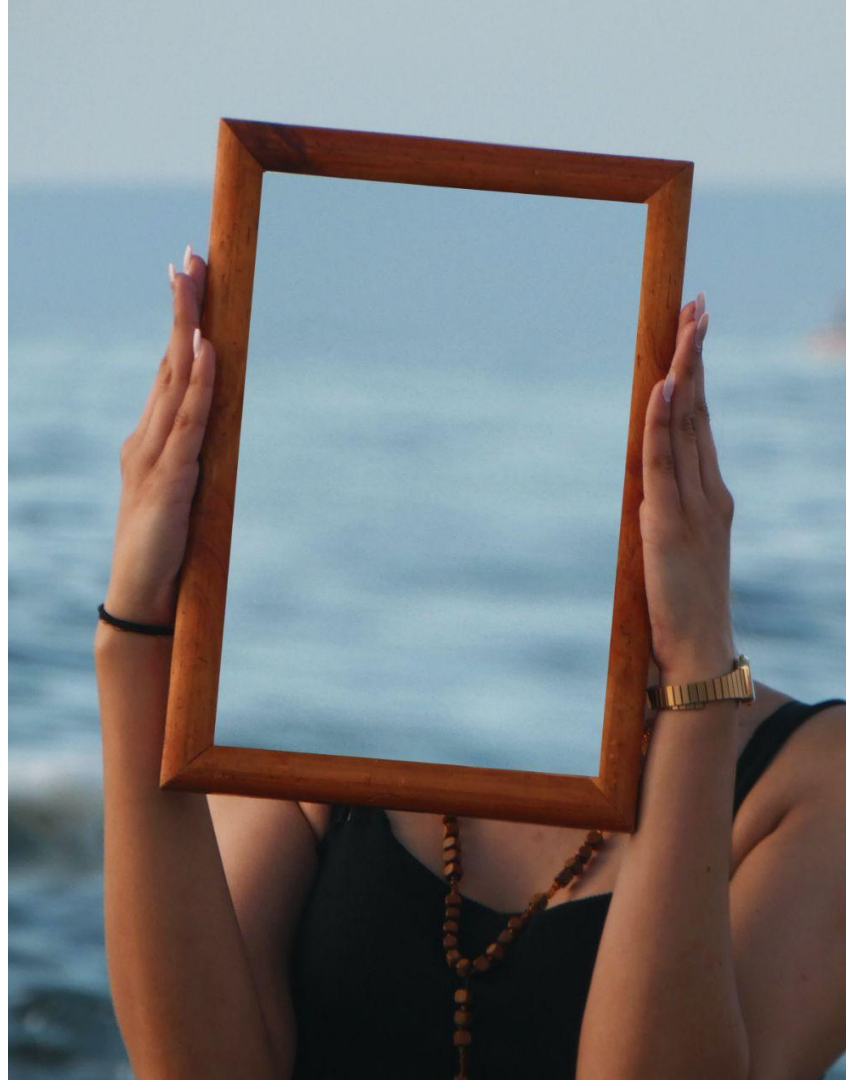
# Learn to Fish

- 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

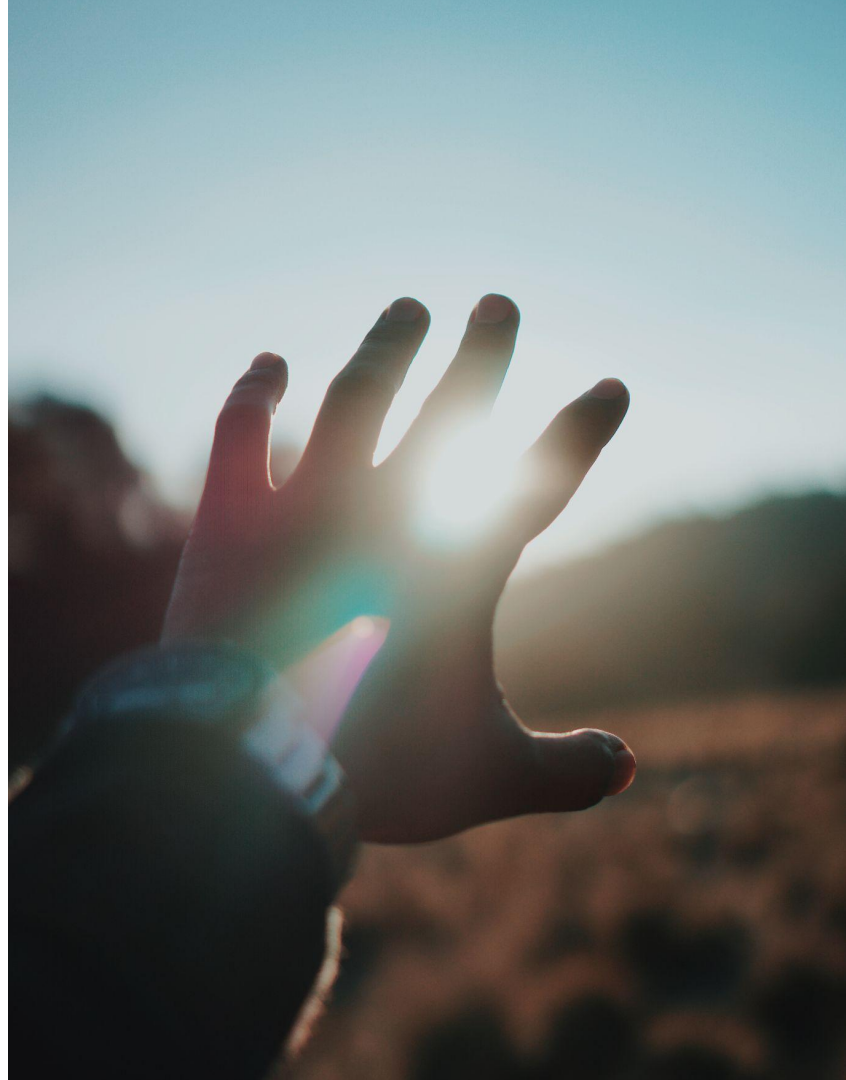






# Suggestions

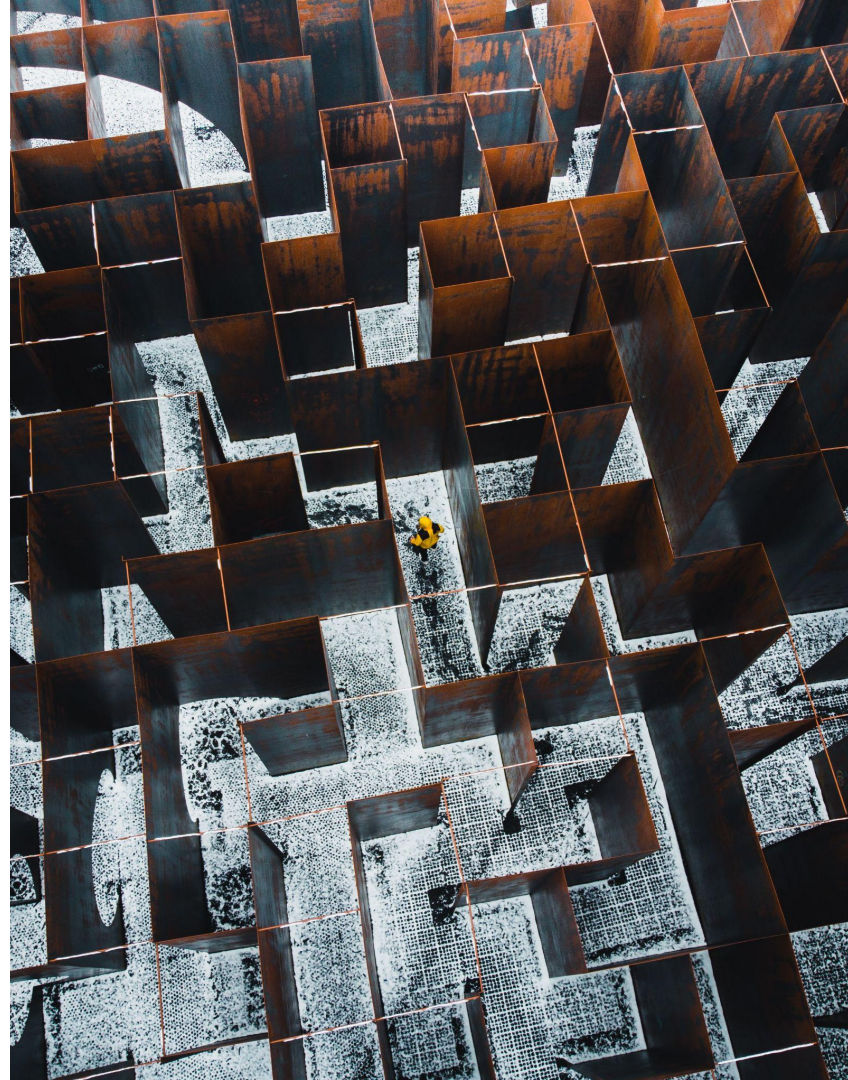
- Understand Principles  
Tools & libraries
- Apply to Your Niche  
Work, hobby, group
- Find Community  
Peers, support, motivation



# Explore + Exploit

Lifelong Learning

- Humility & Curiosity
- Fundamentals not Fads



# Explore + Exploit

Hands on Projects

- Confidence
- Progress not Perfection

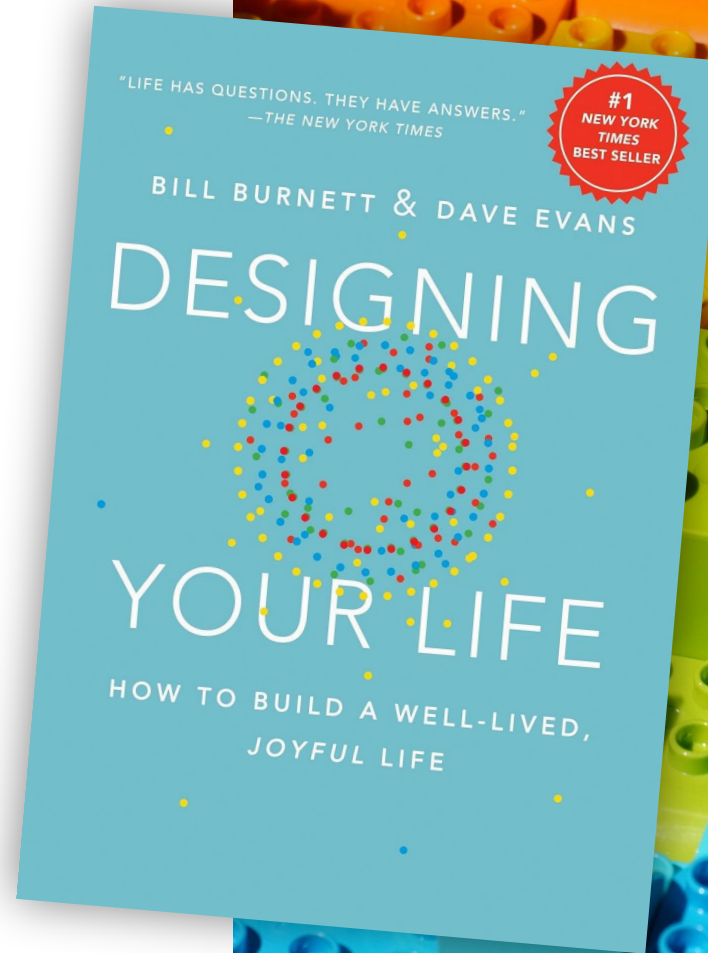




# Design Thinking

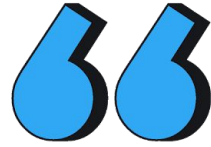
## Solving Problems

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



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

Henry Kissinger

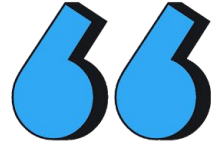
# Set SMART Goals

- Specific
- Measurable
- Attainable
- Relevant
- Time bound



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

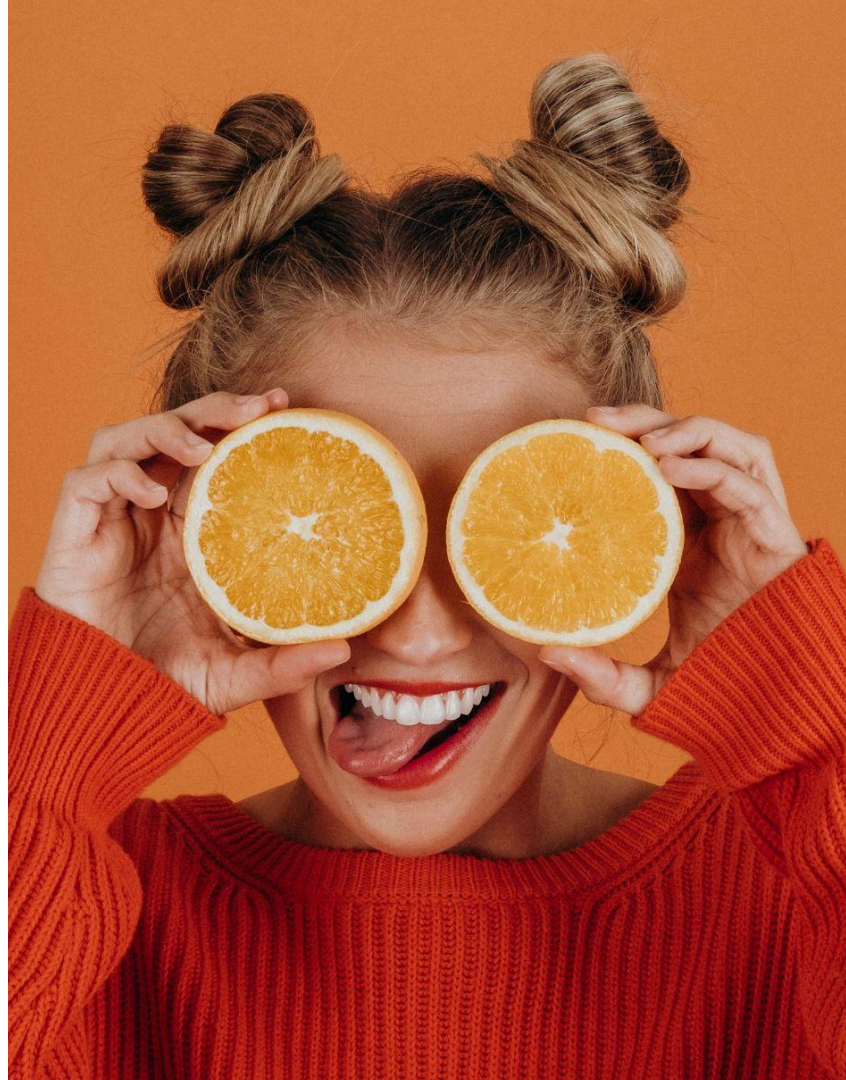
Antoine de Saint-Exupéry

The Little Prince

# Brainstorm Plans

Think beyond the Default  
Creativity is a Muscle

- Career
- Education
- AI







# Exercises

# Your Obituary

- How do you want to be remembered?
- What brings you joy?





# Self Intro

I am a \_\_\_ who works with \_\_\_ to \_\_\_

I've been a \_\_\_ for \_\_\_ years

Recently, I \_\_\_

I organize \_\_\_

I lead/I've led \_\_\_

In my spare time, I \_\_\_

I have a passion for \_\_\_

What's unique about me is \_\_\_



# Introduce Yourself

- Post your entry
- Include LinkedIn
- Connect with others
- Send a message



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# Step Back



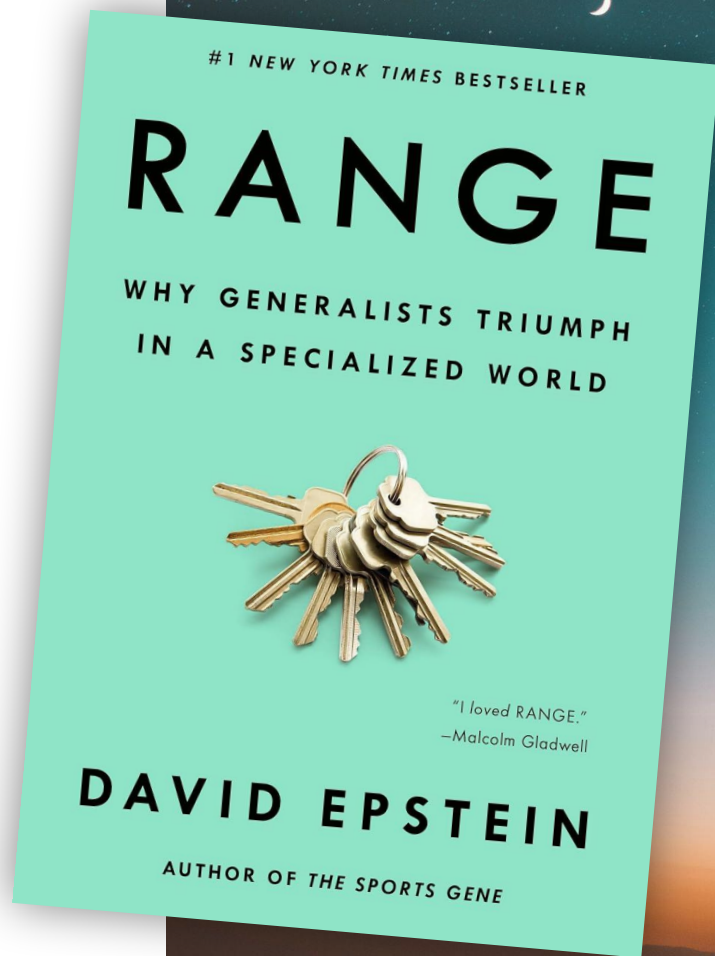
# Whether for AI or life, first figure out...

- Who are you?
- What do you want?
- What can you offer?



## Range Perspective

- Head start myth
- Find your strengths
- Passion & grit follows
- Try new things



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



# Resources

[bit.ly/cheng2-slides](https://bit.ly/cheng2-slides)

## 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**

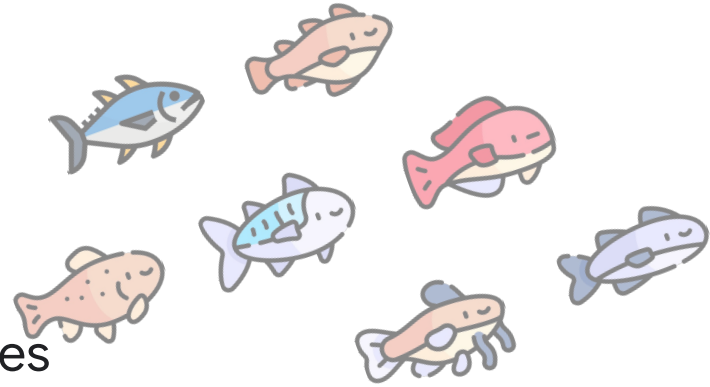
Google's fast-paced, practical intro to ML

## 4. **fast.ai**

Practical guide for those with coding background

## 5. **Made with TFJS, MediaPipe**

Cool ML projects for web & beyond







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 @cheng2\_tan



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