

Impact the Future

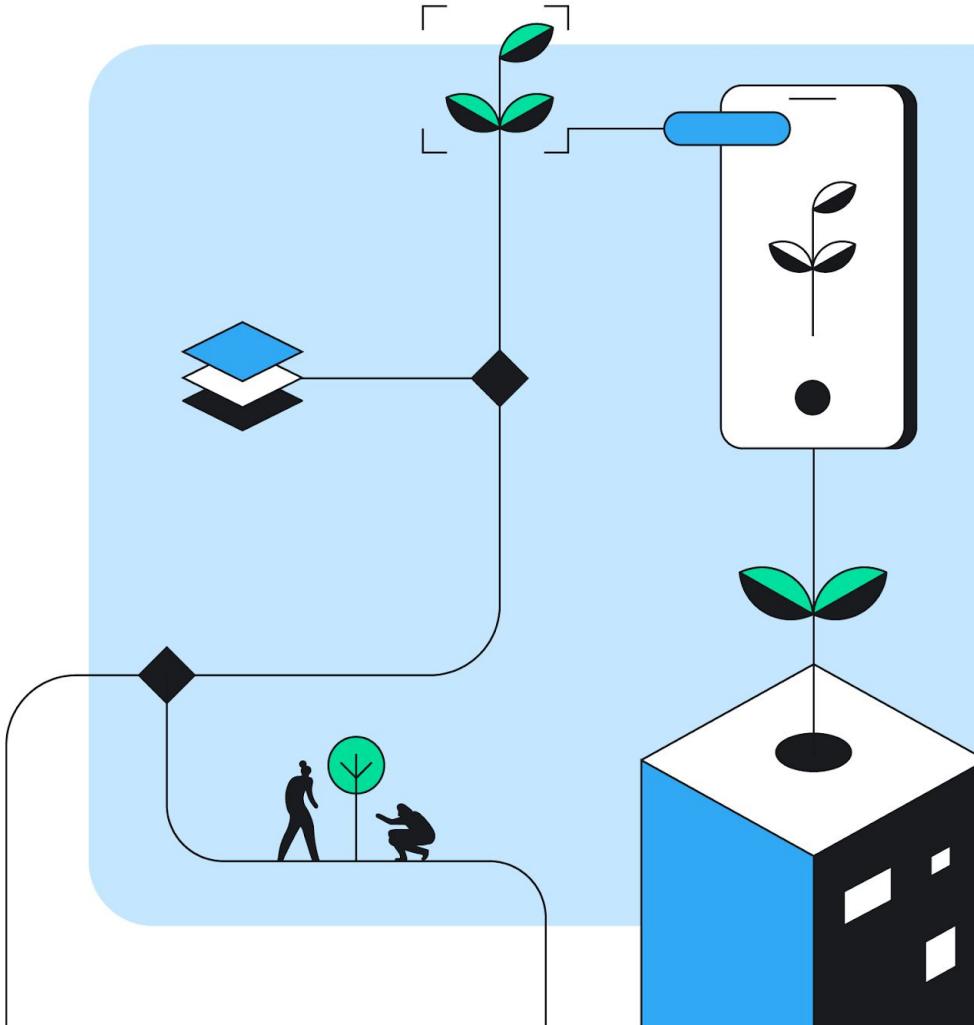
International Women's Day 2024



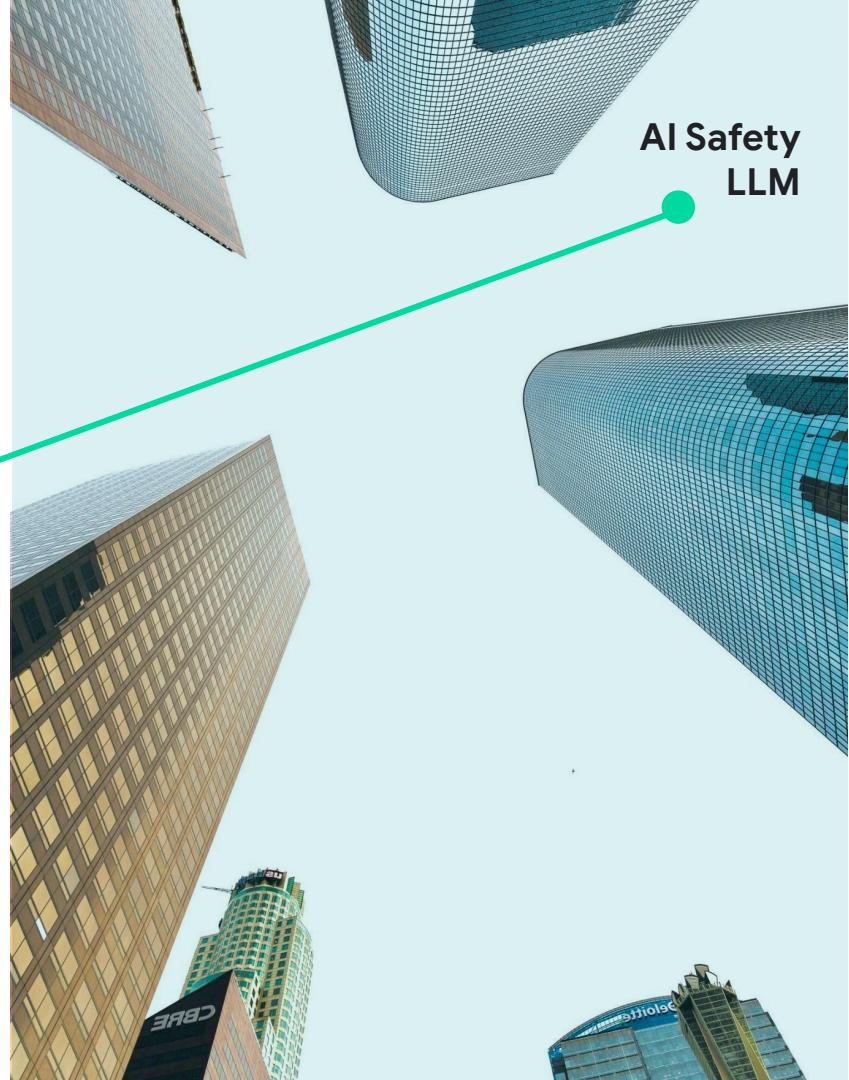
# Homeschooling to AI: Designing Your Tech Transition

ChengCheng Tan

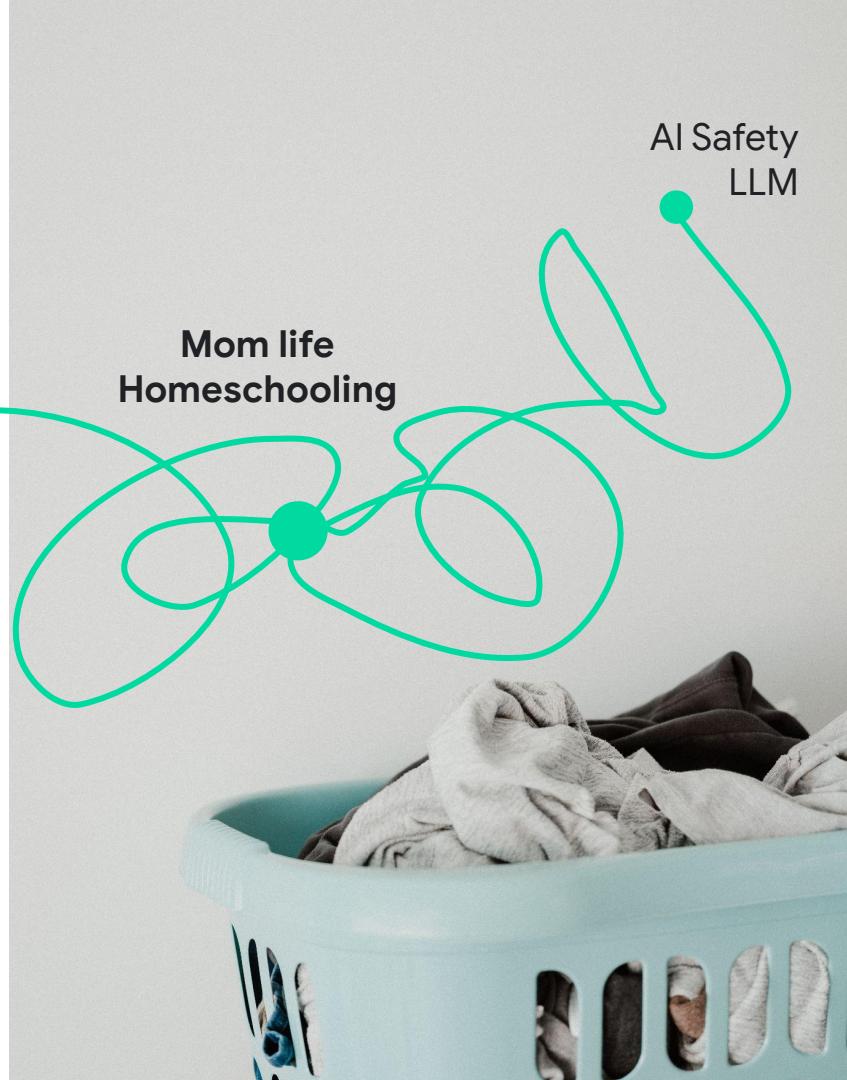
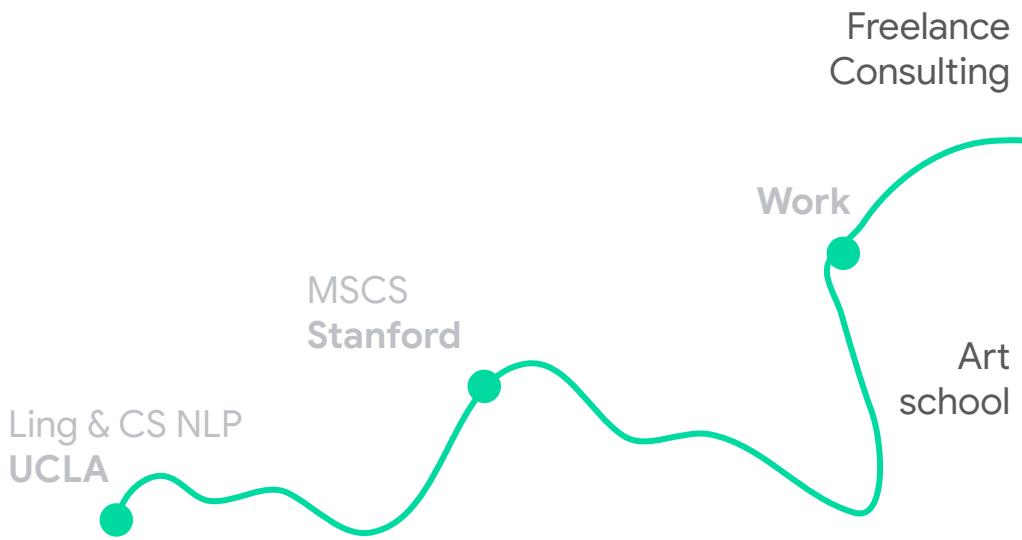
LLMs & AI Safety Consultant  
Cheng2 Designs & FAR AI



# Illustrious Career



# Winding Reality



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# Key Lessons to AI

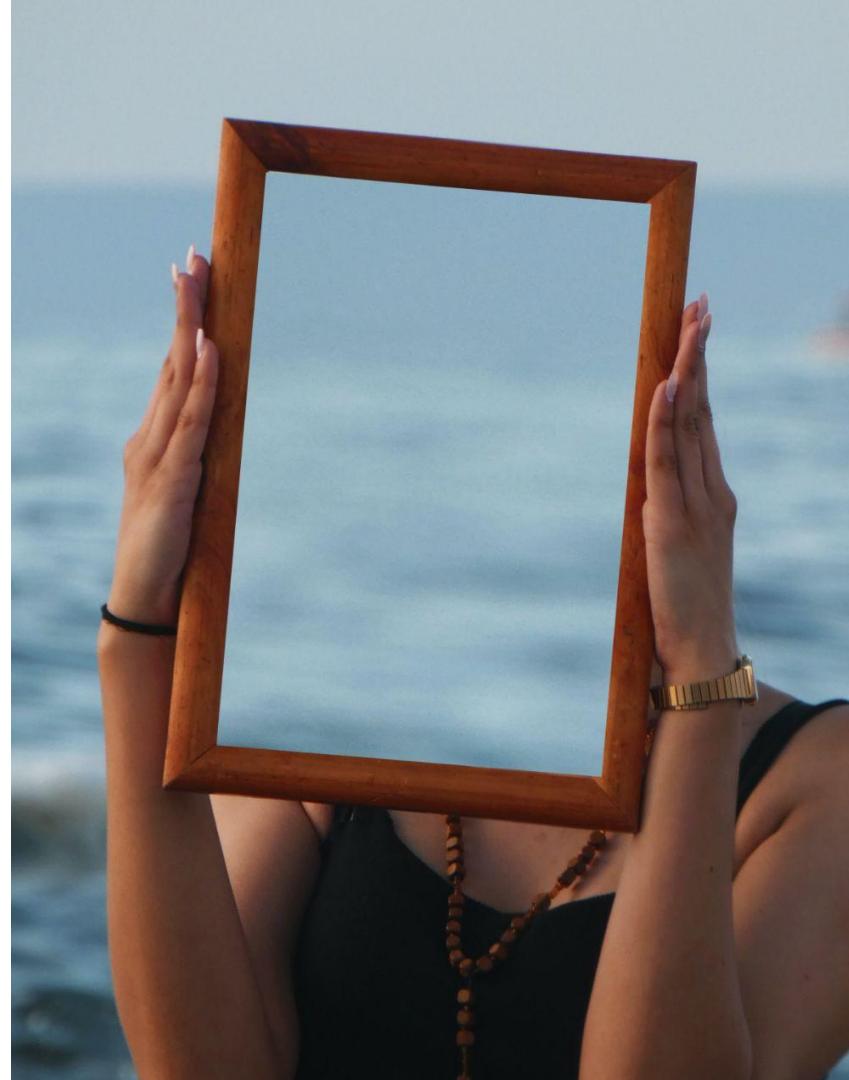
# Learn to Fish

- 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

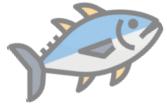




# Projects

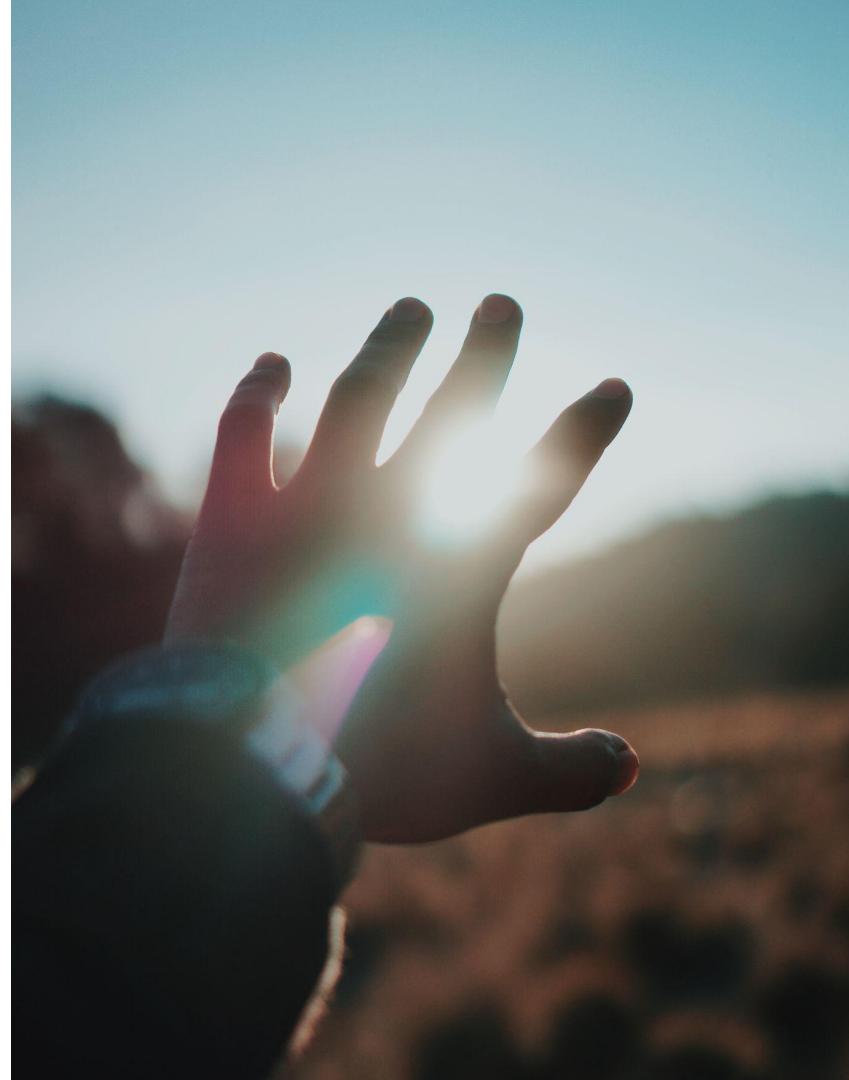
- Kaggle & TensorFlow
- Volunteer Open Source
- Presentations & Mentor  
*Expert vs peers*
- Portfolio & Blogs





# Suggestions

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



# Explore + Exploit

Lifelong Learning

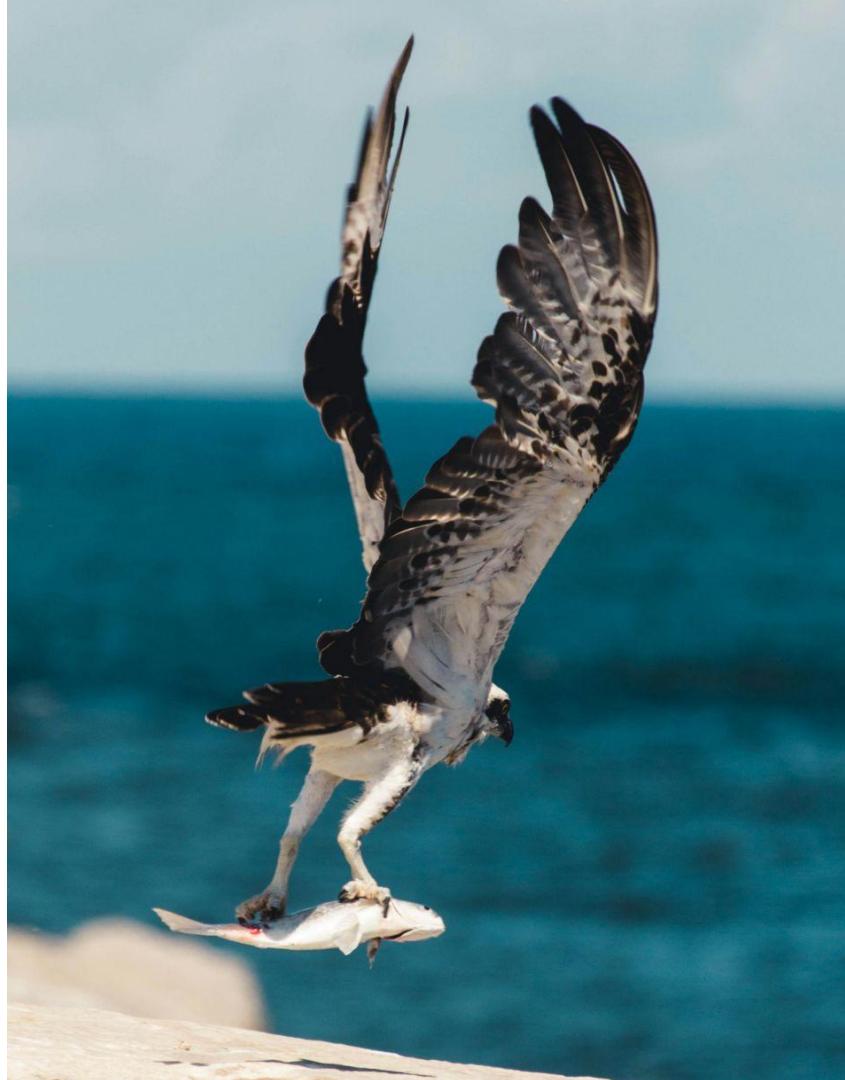
- Humility & Curiosity
- Fundamentals not Fads



# **Explore + Exploit**

Hands on Projects

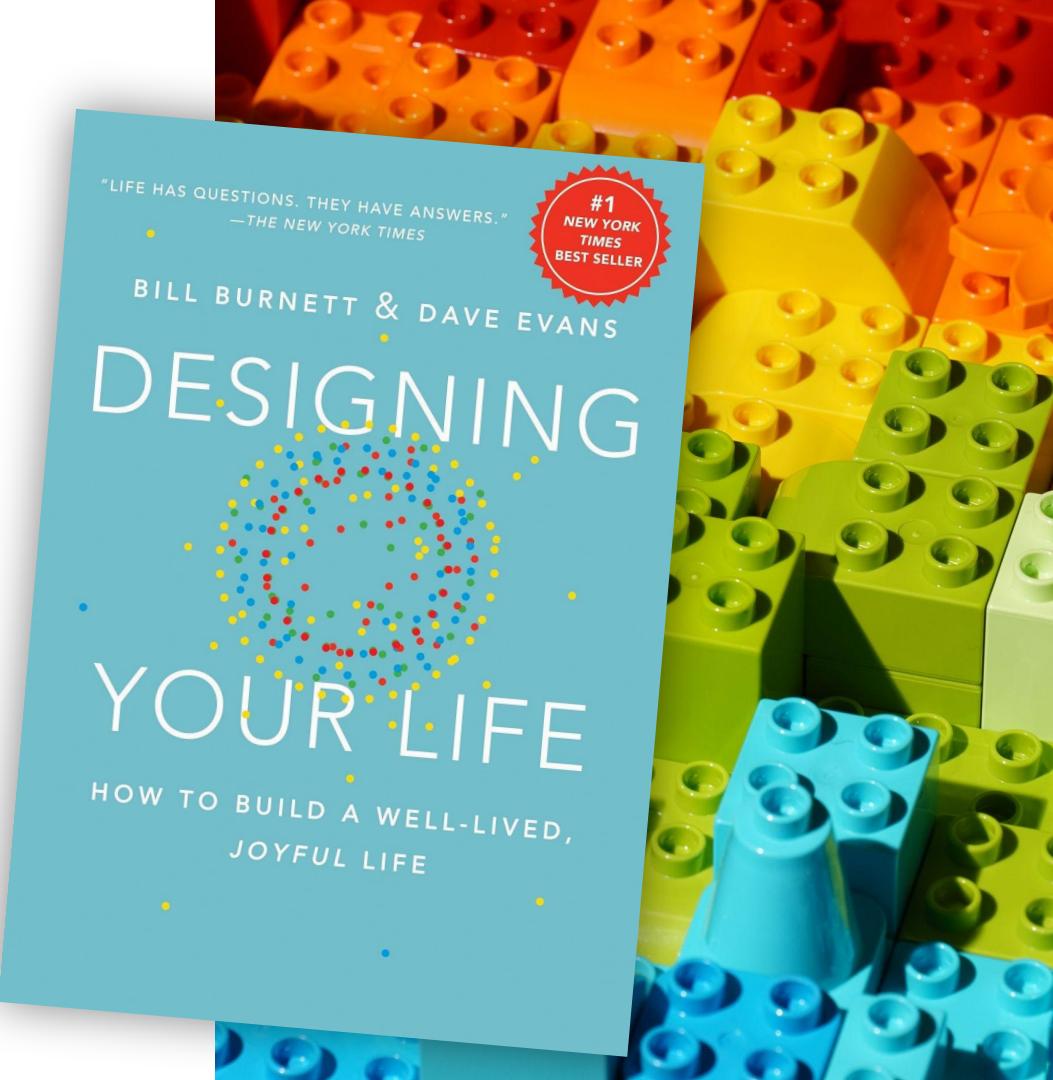
- Confidence
- Progress not Perfection



# Design Thinking

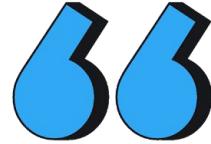
## Solving Problems

- 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

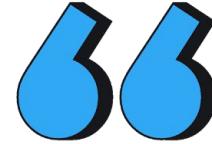
# Set SMART Goals

- 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



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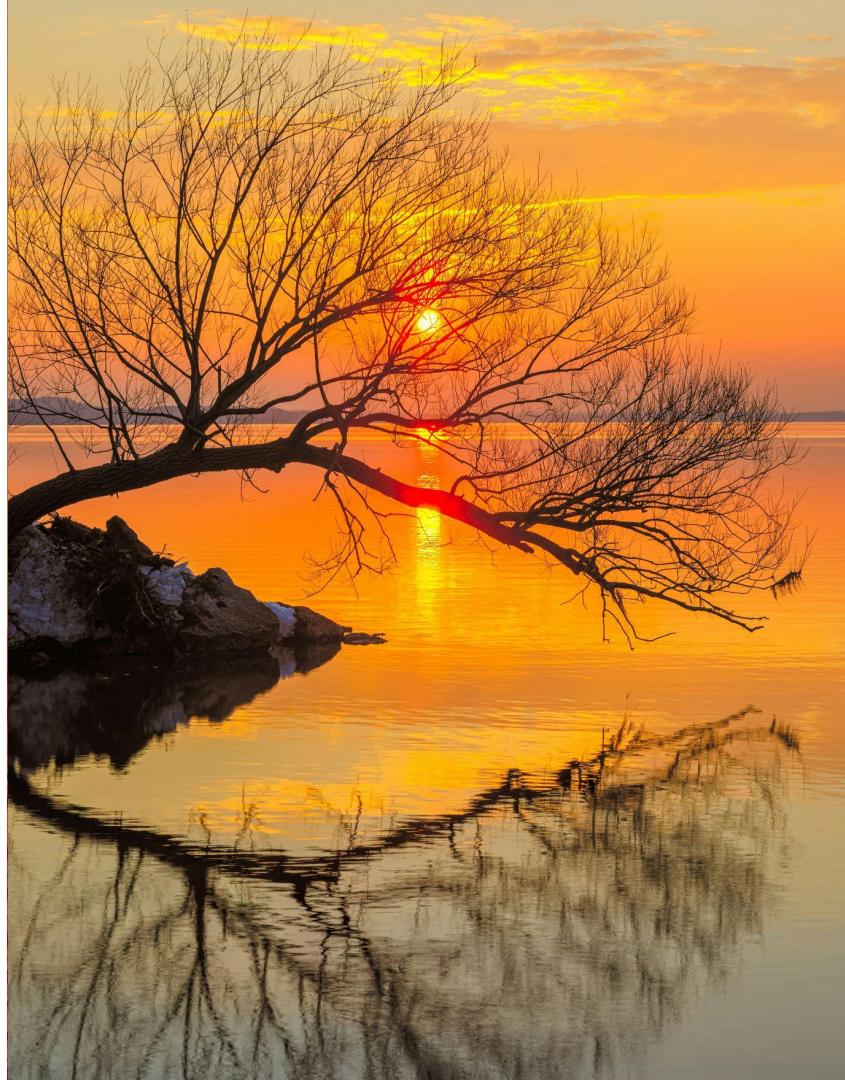


# Exercises



# 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



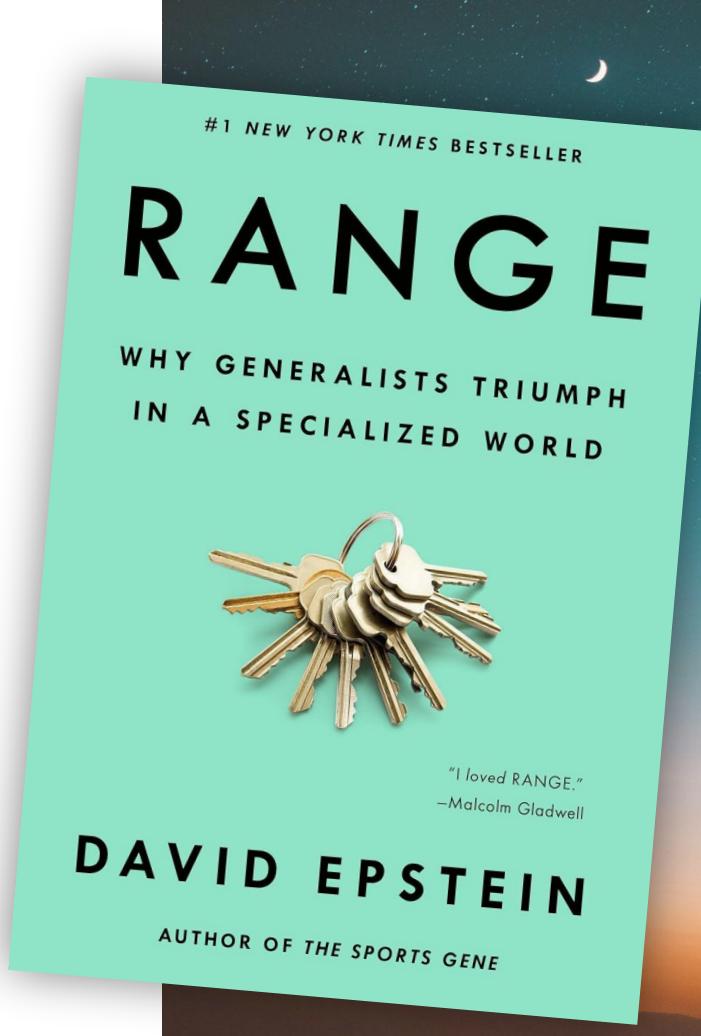
# **Whether for AI or life, first figure out...**

- 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

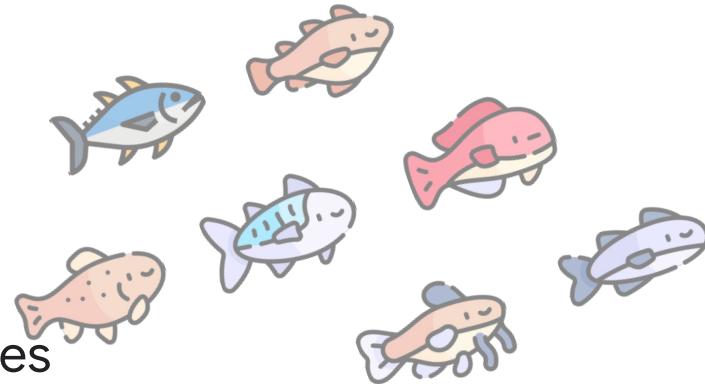
Google's fast-paced, practical intro to ML

## 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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