

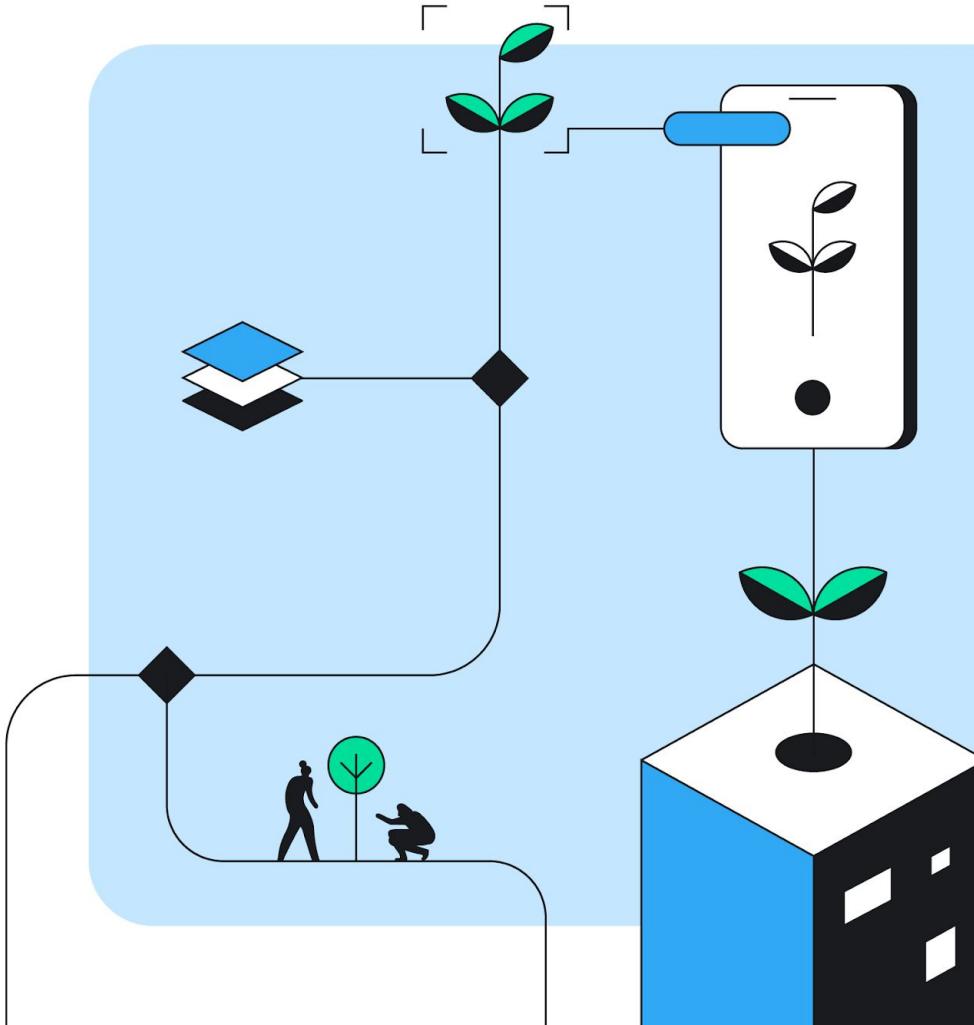
Impact the Future

International Women's Day 2024

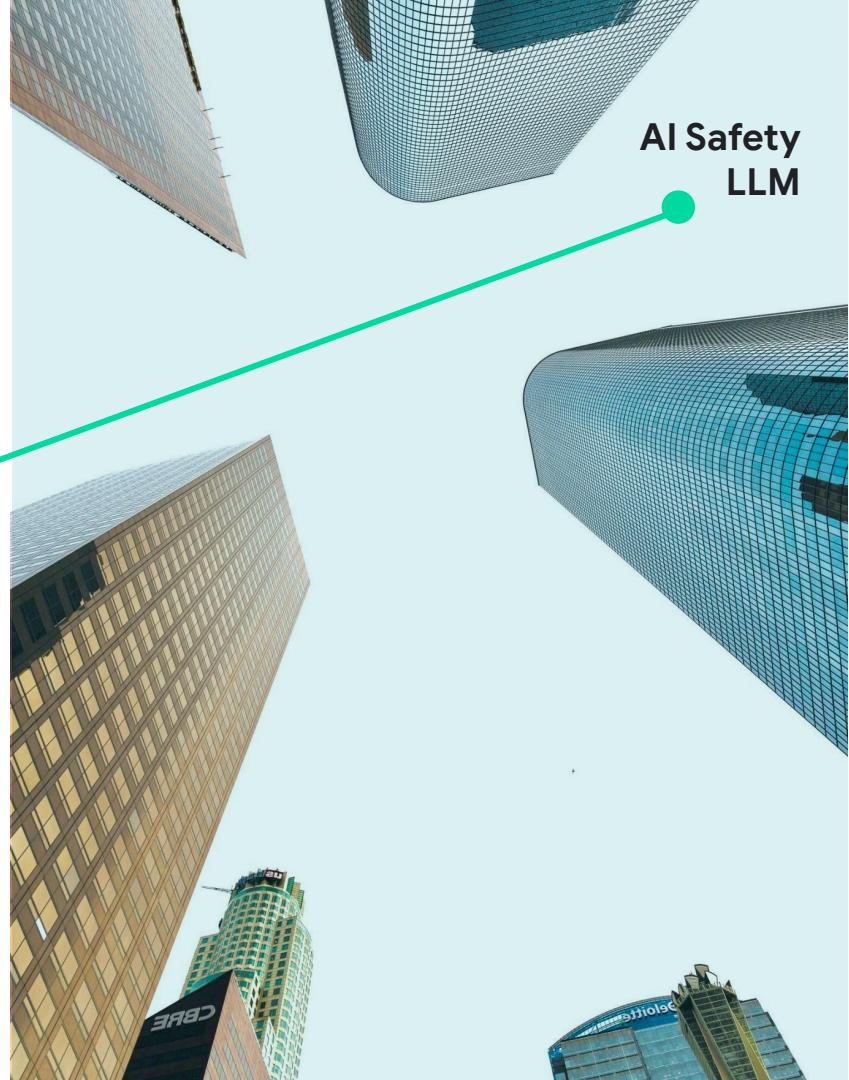
Homeschooling to AI: Designing Your Tech Transition

ChengCheng Tan

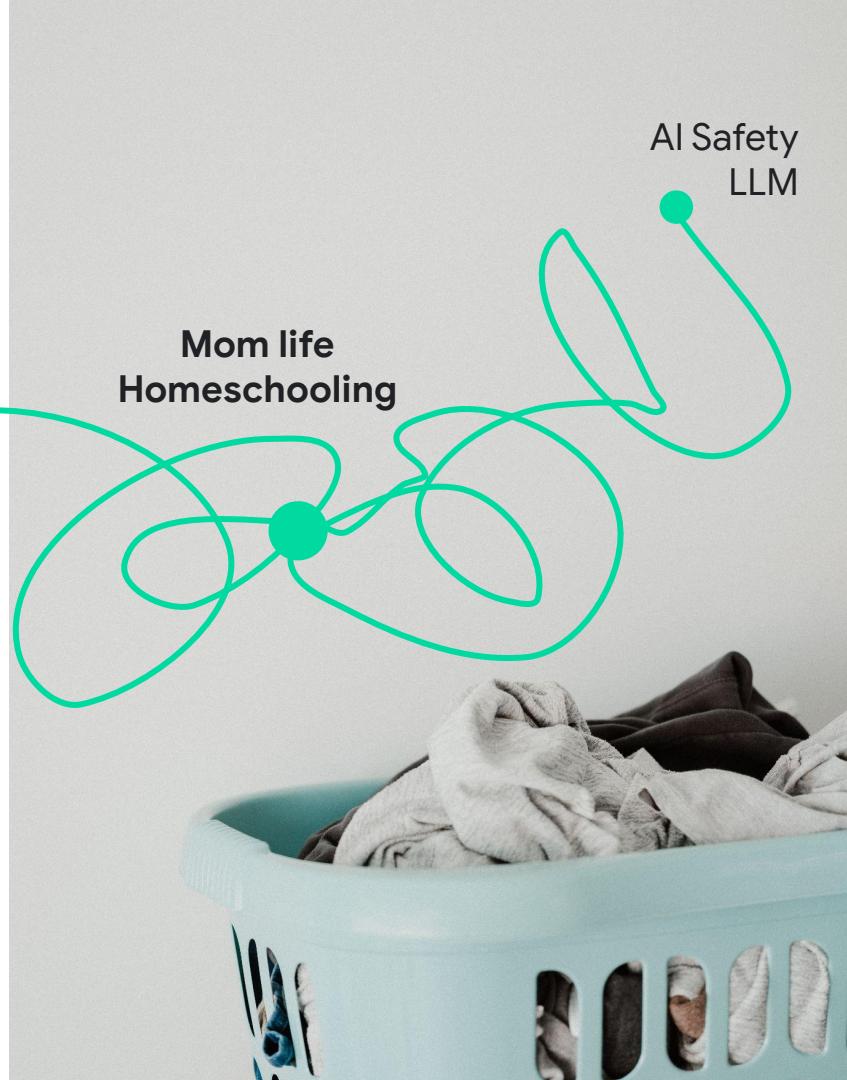
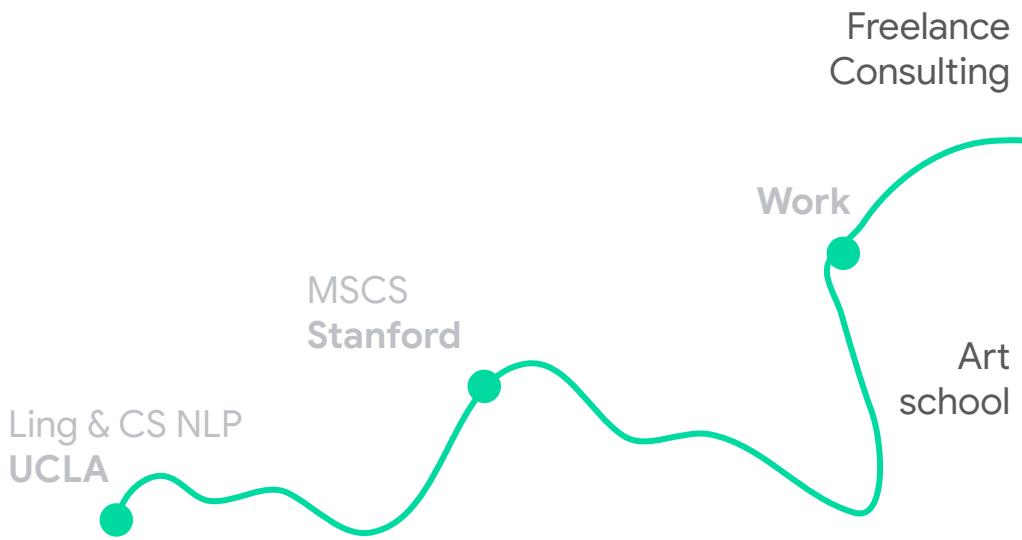
LLMs & AI Safety Consulting
Cheng2 Designs & FAR AI



Illustrious Career



Winding Reality



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Key Lessons to AI



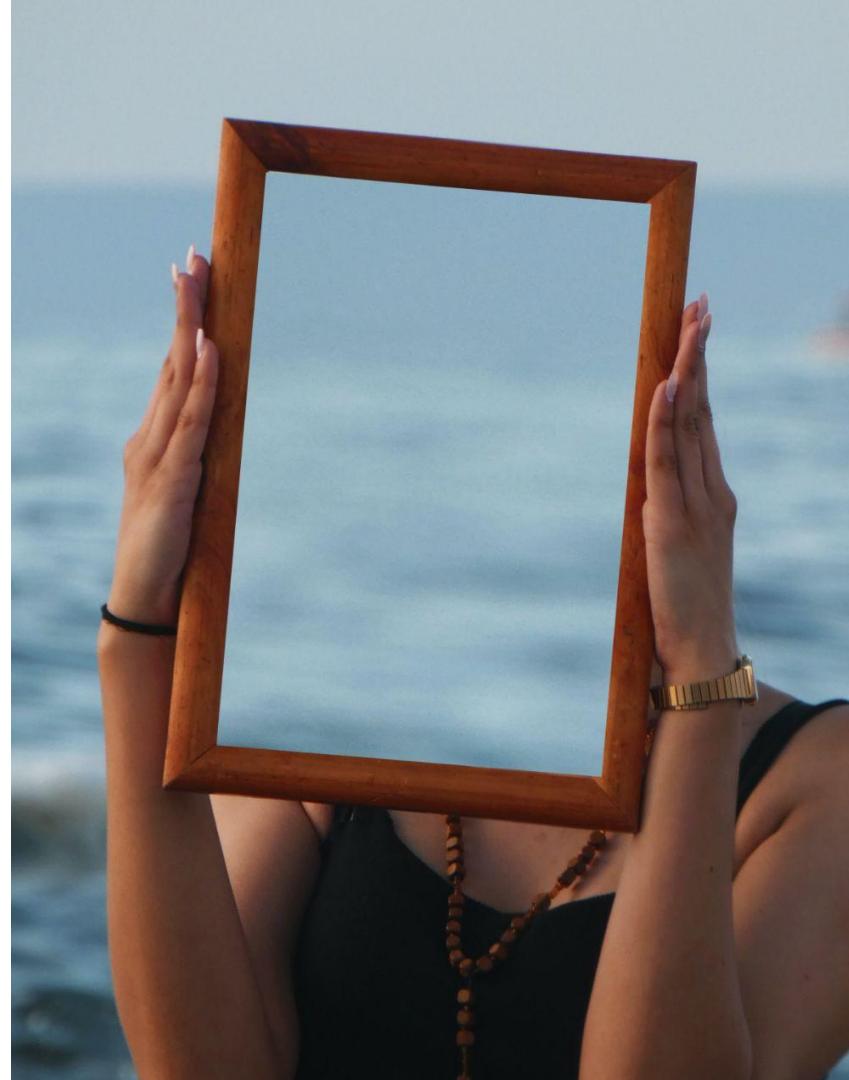
Learn to Fish

- 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

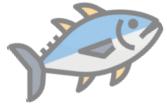




Projects

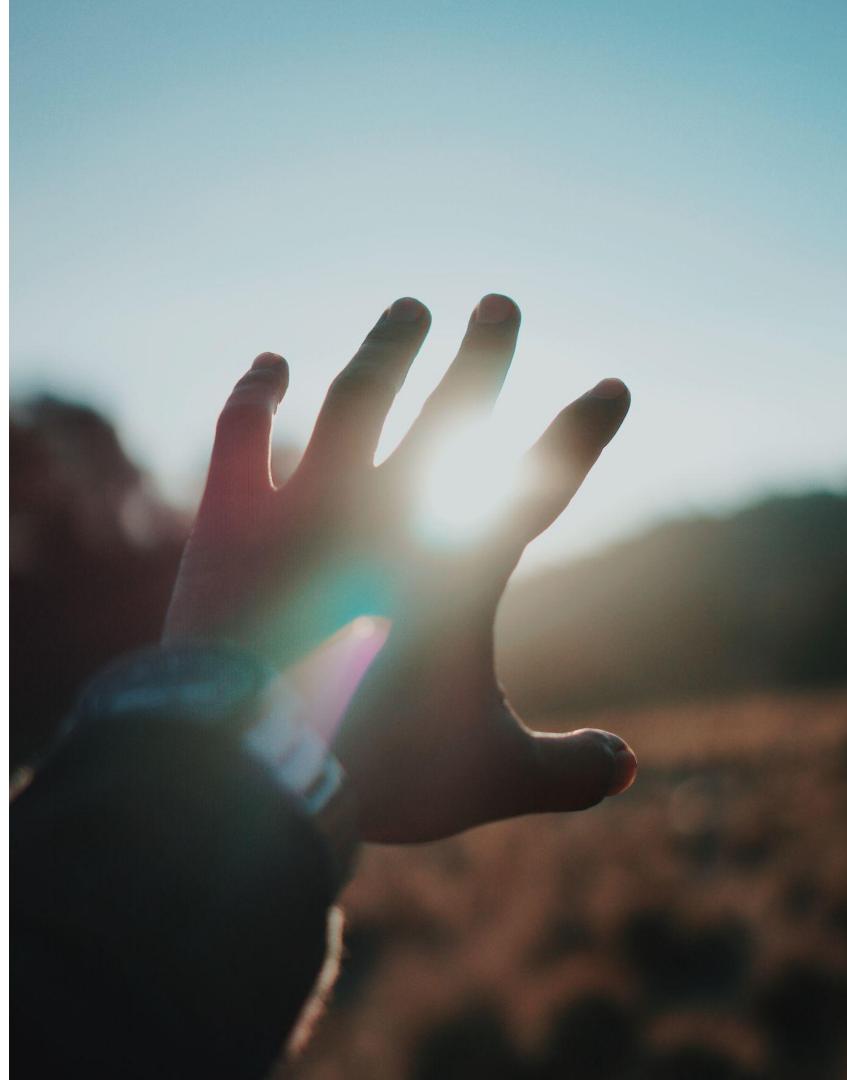
- Kaggle & TensorFlow
- Volunteer Open Source
- Presentations & Mentor
Expert vs peers
- Portfolio & Blogs





Suggestions

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



Explore + Exploit

Lifelong Learning

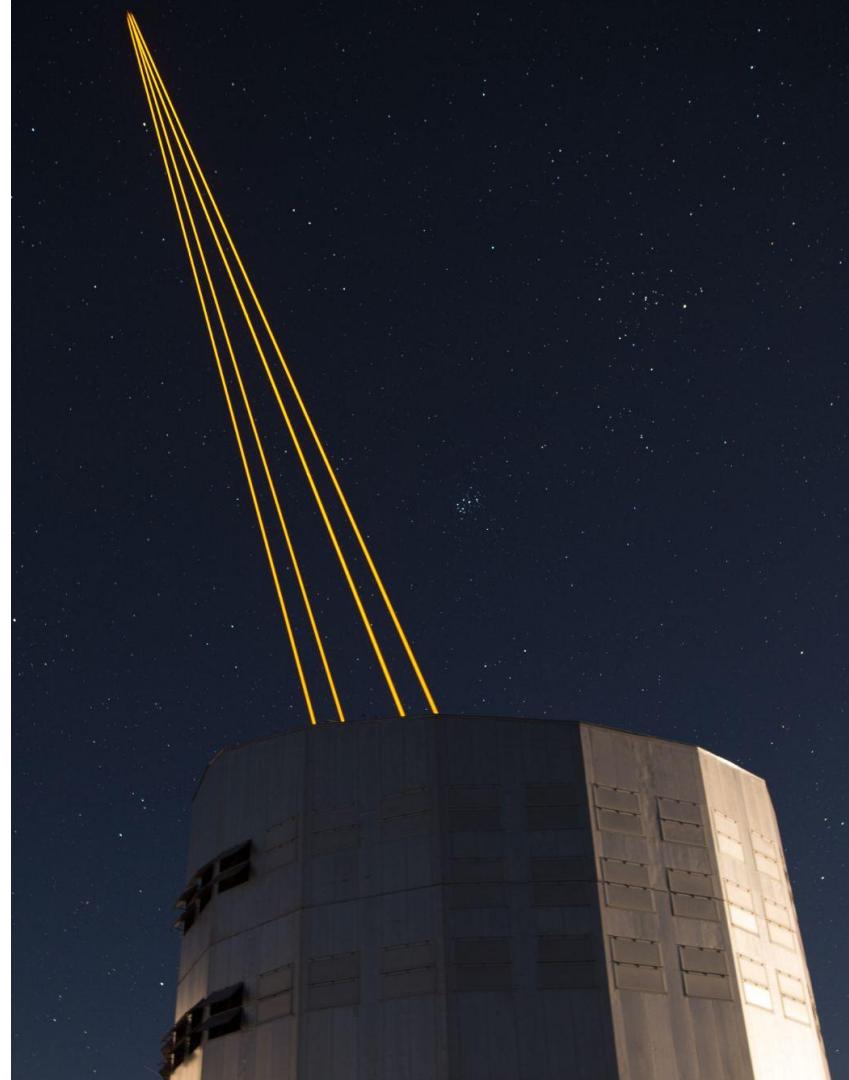
- Humility & Curiosity
- Fundamentals not Fads



Explore + Exploit

Hands on Projects

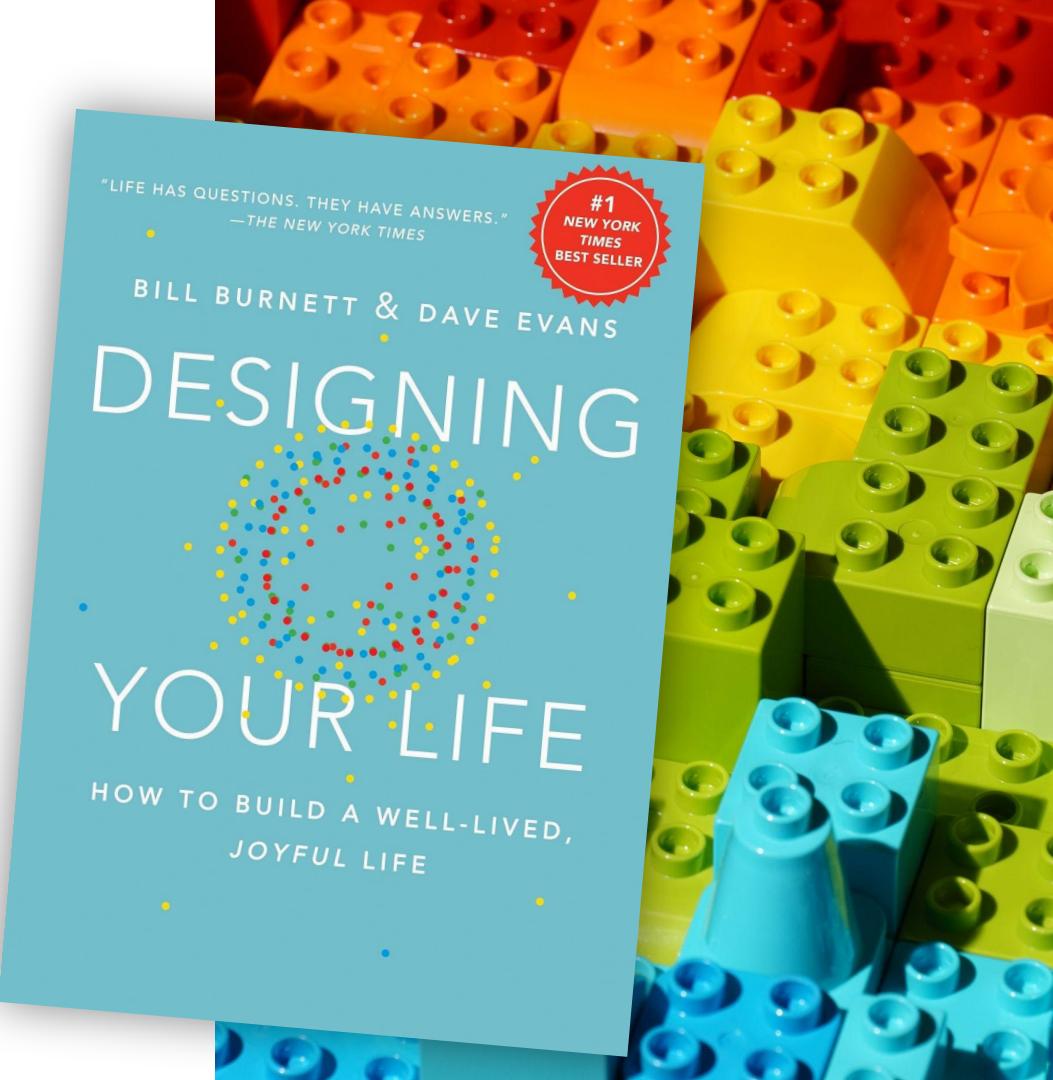
- Confidence
- Progress not Perfection



Design Thinking

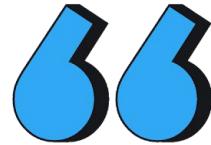
Solving Problems

- 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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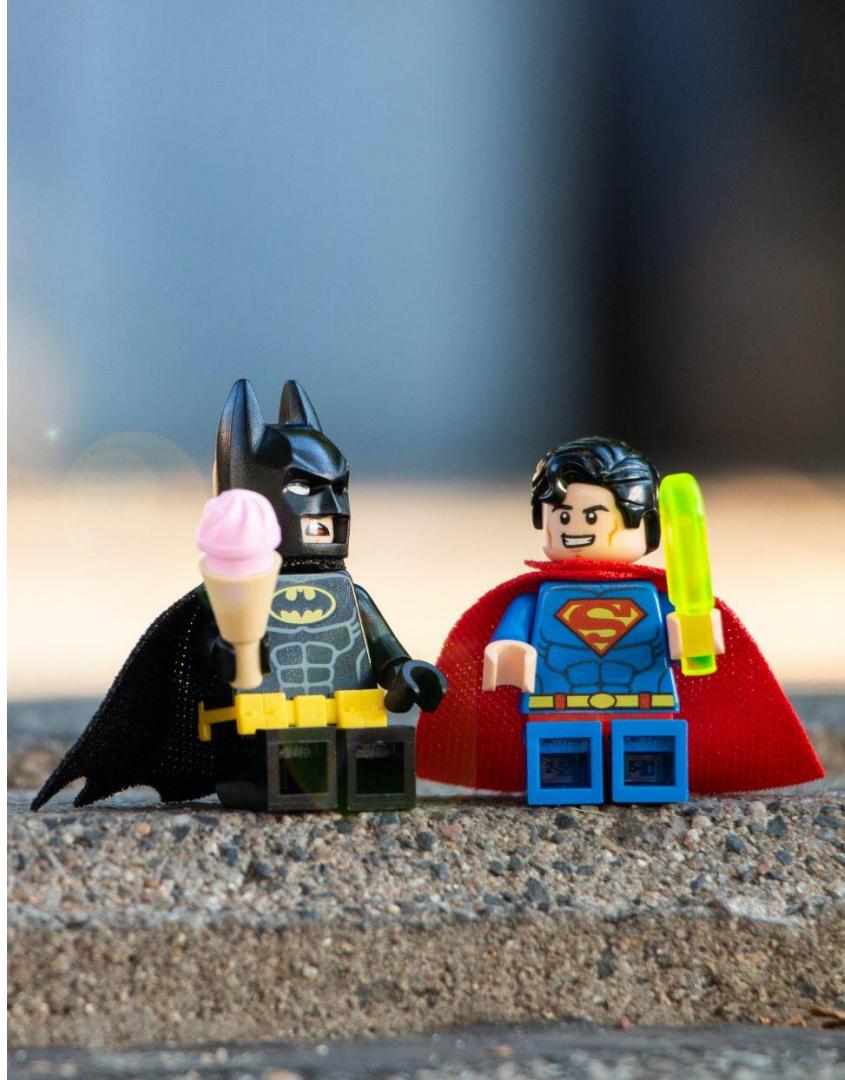
Exercises



Design Thinking

Practice

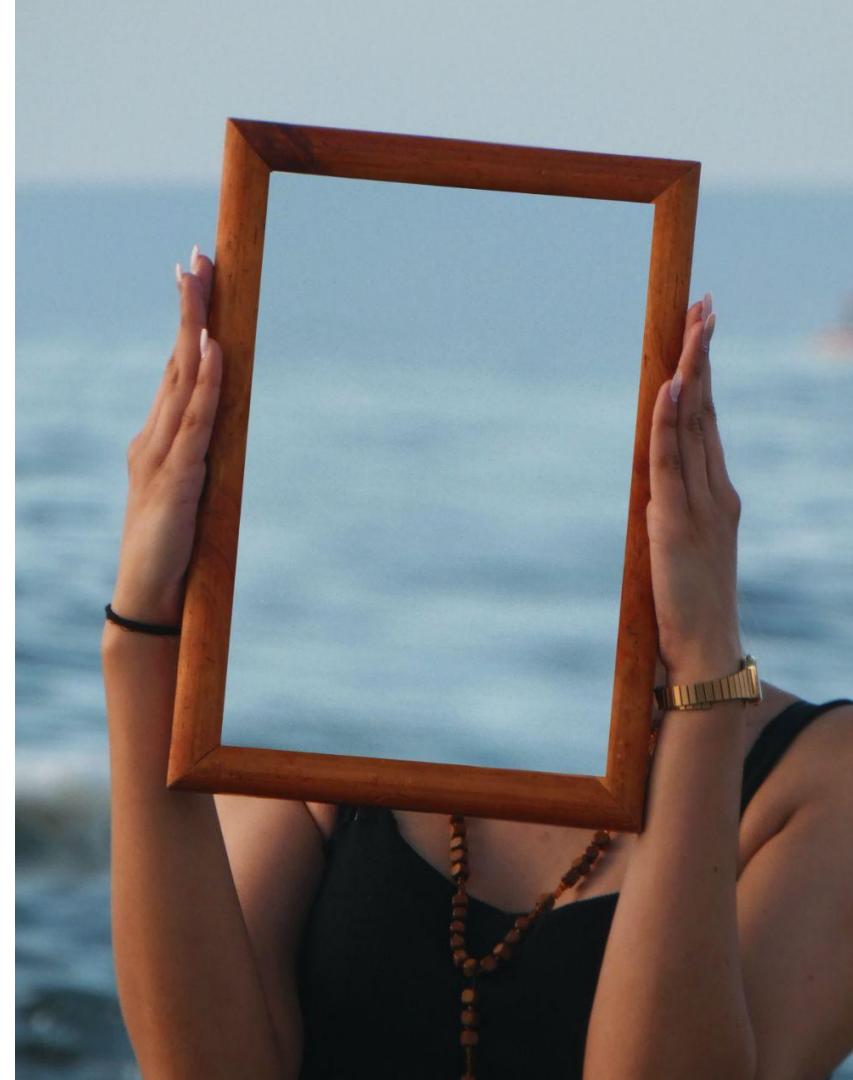
- Reframed Narratives
- Set Goals + Brainstorm
- Explore + Exploit



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

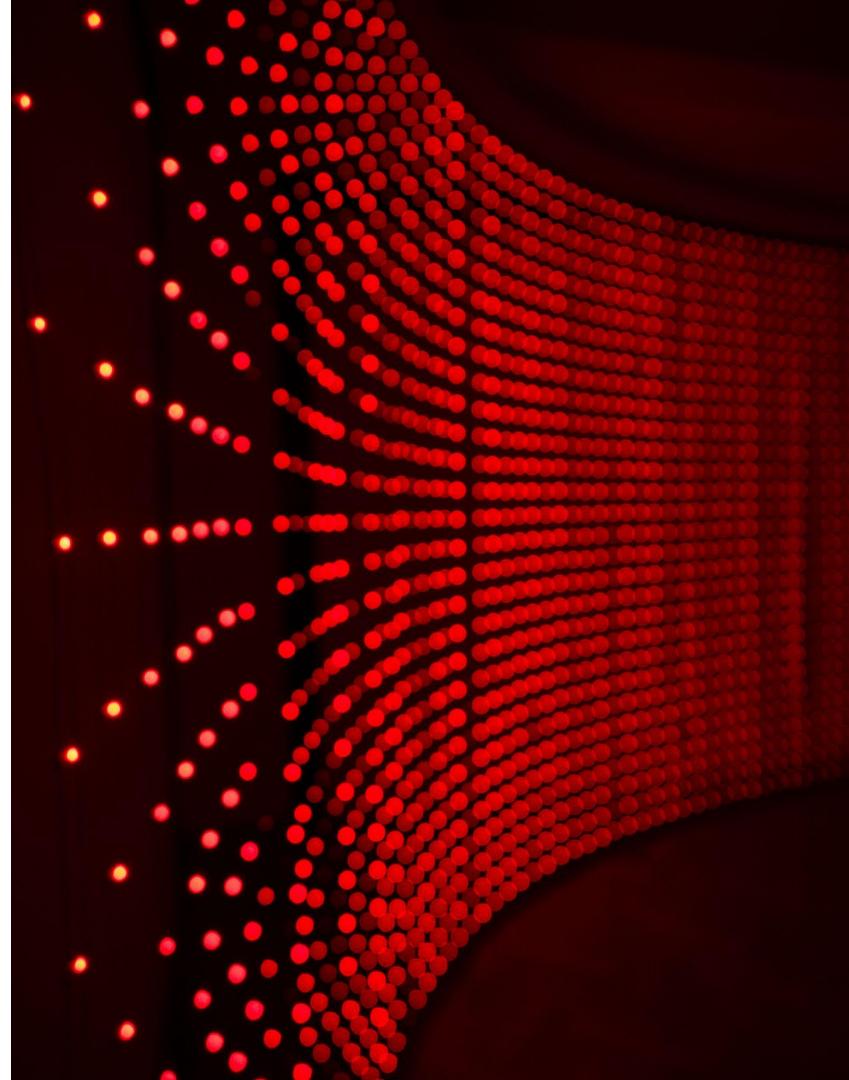
Practice

- 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

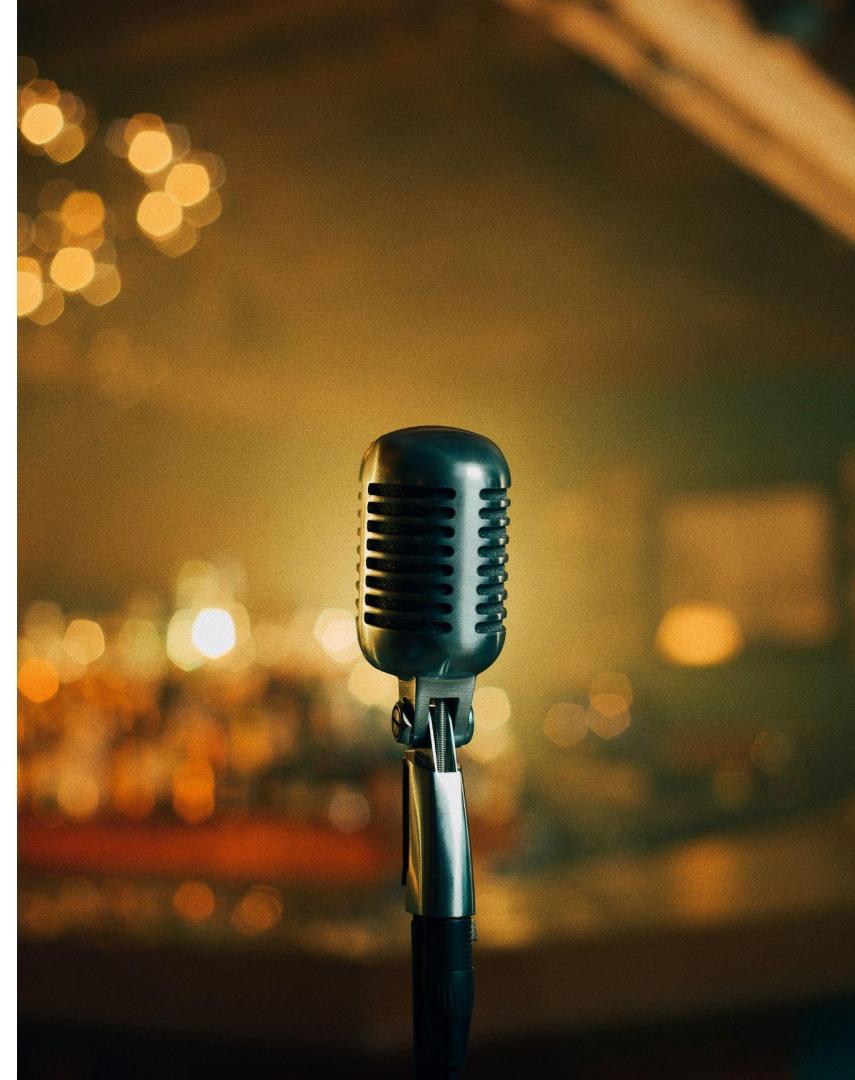
Job, internship, study buddy

- **Explore + Exploit**

Active listening

Ask questions, offer suggestions

Connect & follow up. Iterate...

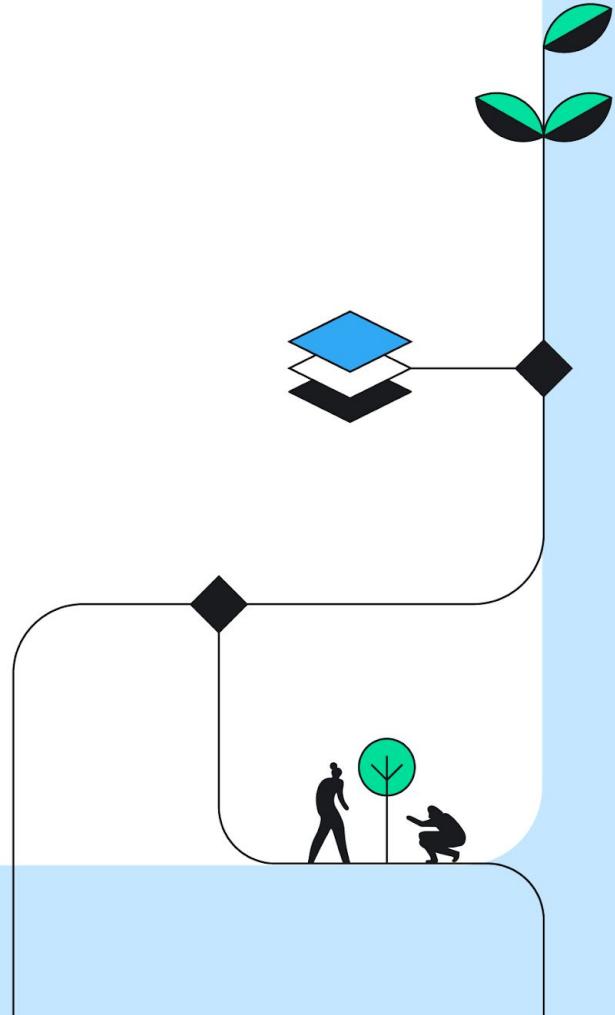


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**Whether for AI or life...
New things are awkward.
Mistakes won't kill you.**



Resources

bit.ly/cheng2-slides-2024-03-09-iwd

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

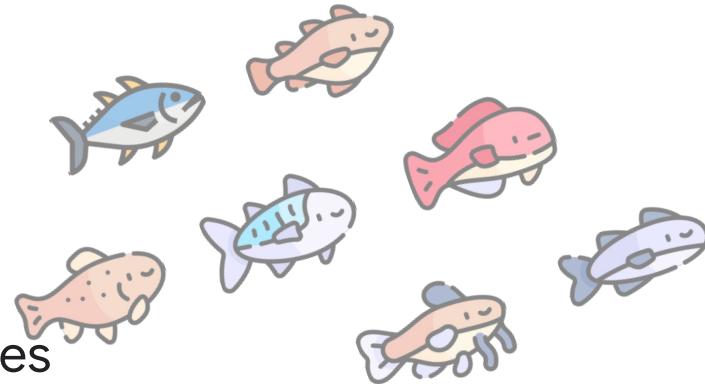
Google's fast-paced, practical intro to ML

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



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 cheng2-tan
 @cheng2_tan

