Three Elements of The Ph.D. Research

Bozhi Tian

the University of Chicago
Why Do You Want to Do Ph.D.?

Don't confuse experience with expertise. Having faced a problem doesn't guarantee that you've mastered the solution.

Don't mistake expertise for wisdom. Having deep knowledge doesn't guarantee that you know when it applies.

My interpretation:

- Experience (inward)
- Expertise
- Wisdom (outward)

Staggered mode
Three Different Types From My Students

TYPE I

Experience

Expertise

Wisdom

Yuanwen Jiang (Postdoc, Stanford)

TYPE II

Experience

Expertise

Wisdom

Ramya Parameswaran (Residency, UCSF)

TYPE III

Experience

Expertise

Wisdom

Aleksander Prominski (Graduate student)

Previous Ph.D. lab

Current Ph.D. lab

Project A

Project B
The Fourth Type of Evolution of The Three Elements

During Ph.D.

Experience 1

Expertise 1

During Postdoc

Experience 2

Expertise 2

Wisdom

TYPE IV

Yiliang Lin (Postdoc)