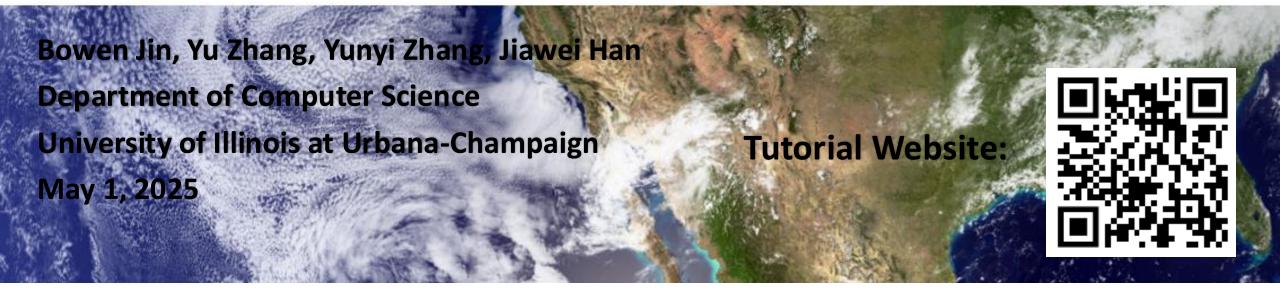


## Integrating Textual and Graph Data: Advancing Knowledge Discovery with Semantic and Structural Insights



## **Estimated Timeline for This Tutorial**

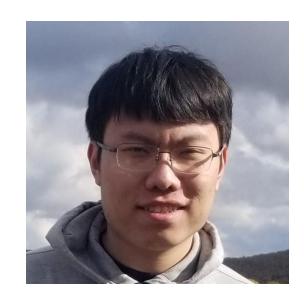
- □ Introduction: 3 mins (1:30 1:33 Bowen Jin)
- Part I: A Retrieval and Graph Structuring Approach with Large Language Models: 39 mins (1:33 2:12 Prof. Jiawei Han)
- Part II: Improve Large Language Models for Search/Graph-Augmented Scenarios: 39
   mins (2:12 2:51 Bowen Jin)
- Part III: Domain-specific Applications: 39 mins (2:51 3:30 Prof. Yu Zhang)

## **About Instructors**





- Ph.D. Candidate @UIUC
- Apple PhD Fellowship (2024)



- Yu Zhang
- Assistant Professor @TAMU
- Dissertation Completion Fellowship (2023)
- Yunni and Maxine PaoMemorial Fellowship (2022)

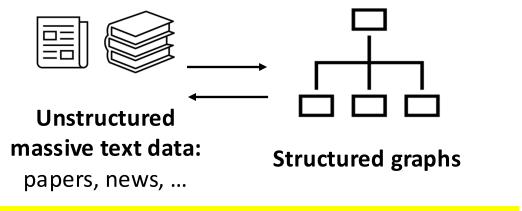


- Yunyi Zhang
- Ph.D. Candidate @UIUC

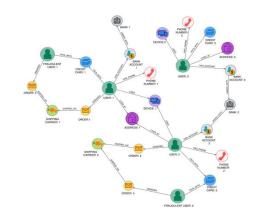


- Jiawei Han
- Michael Aiken ChairProfessor @ UIUC
- ACM SIGKDDInnovation AwardWinner (2024)

## **Our Roadmap of This Tutorial**



Part I: A Retrieval and Graph Structuring Approach with Large Language Models (Inference Stage)





Part III: Domain-specific Applications

Part II: Improve Large Language Models for Search/Graph-Augmented Scenarios (Training Stage)