

Chenchen Ye

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EDUCATION

University of California, Los Angeles

SEP 2023 – Present

Doctor of Philosophy, Computer Science

• **Advisor:** Dr. Wei Wang, Leonard Kleinrock Professor, UCLA

National University of Singapore

AUG 2018 – JUN 2022

Bachelor of Computing, Computer Science, 1st Class Honors (Highest Distinction)

• **Specializations:** Artificial Intelligence [[certificate](#)]; Multimedia Information Retrieval [[certificate](#)]

• **Bachelor Dissertation:** “Revisiting Response Generation for Task-oriented Multimodal Dialogue”

Advisor: Dr. Chua Tat Seng, KITHCT Chair Professor, NUS; Director, NUS-Tsinghua Extreme Search Center (NExT)

RESEARCH INTERESTS

My primary research interests are knowledge reasoning over large language models and knowledge graphs. Specifically, I aim to develop models that can reason over heterogeneous knowledge, coordinate the structured and unstructured, and generate appropriate interpretations and forecasts.

Current Research Projects:

- **Temporal Event Forecasting**

Temporal Event QA with LLMs, Textual/ Multimodal Event Forecasting with LLMs, Event Forecasting over TKGs

- **Biomedical Data Mining**

Biomedical Hypothesis Extraction and Generation with LLMs

RESEARCH EXPERIENCE

Research Assistant

AUG 2022 – AUG 2023

NExT Research Center, National University of Singapore

• Topic: Event Forecasting over Temporal Knowledge Graph

Undergraduate Student Researcher

MAY 2021 – JUN 2022

NExT Research Center, National University of Singapore

• Topic: Conversational Search and Response Generation

PUBLICATIONS

1. Context-aware Event Forecasting via Graph Disentanglement. [[PDF](#)] [[Code](#)]

Yunshan Ma*, **Chenchen Ye***, Zijian Wu, Xiang Wang, Yixin Cao, Tat-Seng Chua
KDD, 2023. (Full paper)

2. Reflecting on Experiences for Response Generation. [[PDF](#)] [[Poster](#)] [[Slides](#)] [[Video](#)]

Chenchen Ye, Lizi Liao, Suyu Liu, Tat-Seng Chua
ACM MM, 2022. (Full paper)

3. Structured and Natural Responses Co-generation for Conversational Search. [[PDF](#)] [[Code](#)] [[Slides](#)] [[Video](#)]

Chenchen Ye, Lizi Liao, Fuli Feng, Wei Ji, Tat-Seng Chua
SIGIR, 2022. (Full paper accepted for **oral presentation**)

INTERN EXPERIENCE

R&D Intern in NLP Team

JUN 2020 – AUG 2020

YITU Technology, Singapore

- Topic: Multi-constrained Knowledge-based Question Answering (KBQA)

TEACHING EXPERIENCE

Teaching Assistant

JAN 2020 - MAY 2020

School of Computing, National University of Singapore

- CS2030 Programming Methodology II, *Lecturer: Dr. Henry Chia Wai Kit*
- CS2040 Data Structure and Algorithm, *Lecturer: Dr. Chong Ket Fah*

AWARDS & HONOURS

- Outstanding Undergraduate Researcher Prize. NUS. 2022
 - **\$1000, Best** undergraduate researcher (individual) in the **university-wide selection** [[certificate](#)].
- Deans' List Awards. NUS, School of Computing. AY 2019 – 2020, AY 2021 – 2022
 - **Top 5%** of the cohort [[certificate](#)].
- Science & Technology Undergraduate Scholarship. NUS. 2018 – 2022
- Senior Middle 2 Scholarship. Ministry of Education, Singapore. 2018 – 2022
 - **Outstanding** Asian student, covers full tuition fees and living allowance.

SKILLS, CERTIFICATIONS & OTHERS

- **Programming Languages:** Python, Java, C++, C, SQL (MySQL, PostgreSQL), R, Matlab
- **Software & Other IT Skills:** PyTorch, Git, Linux