# CARRIE WANG 王韵

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https://carrieww.github.io

**Research Interests:** Graph Analytics and Machine Learning Inference

## EDUCATION

**School of Computing and Data Science, HKU** — Hong Kong SAR

*Ph.D. in Computer Science* — 2023 - 2027 *(expected)*
- Advisor: Prof. Reynold Cheng

**School of Computing and Data Science, HKU** — Hong Kong SAR

*B.Sc. in Mathematics and Decision Analytics* — 2018 - 2022
- 1st Class Honor

## PUBLICATIONS

[4] **On Aggregation Queries over Predicted Nearest Neighbors.**
Carrie Wang, Sihem Amer-Yahia, Laks V.S. Lakshmanan, Reynold Cheng.
*arXiv preprint.*

[3] **A Sampling-Based Framework for Hypothesis Testing on Large Attributed Graphs.**
Carrie Wang, Chrysanthi Kosyfaki, Sihem Amer-Yahia, Reynold Cheng.
*VLDB 2024.*

[2] **HINCare: An Intelligent Helper Recommender System for Elderly Care.**
Carrie Wang, Wentao Ning, Xiaoman Wu, Reynold Cheng.
*WWW 2024.*

[1] **Using a Novel Clustered 3D-CNN Model for Improving Crop Future Price Prediction.**
Liege Cheung, Carrie Wang, Adela SM Lau, Rogers MC Chan.
*Knowledge-Based Systems 2023.*

## PROJECTS

**An Emotional AI Chatbot Using an Ontology and a Novel Audiovisual Emotion Transformer for Improving Nonverbal Communication.** 2022.08 - 2023.02

*HKU SAAS Data Science Lab* — *Supervisor: Dr. Adela Lau*

**TCGConv - Edge Representation Learning in Temporal Graph.** 2022.05 - 2022.07

*NUS Institute for Mathematical Sciences* — *Supervisor: Dr. Zhang Wenjie*

## INTERNSHIPS

**KPMG China** | Hong Kong SAR                                    2021.01 - 2021.08

- Studied Robotic Processing Automation (RPA) in two weeks and applied it to migrate 4000+ legacy data with 98% success rate for a luxury company.
- Got certified in Microsoft PowerApps to assist in the design phase of an internal web & mobile app implementation for a leading insurance company, finishing the web prototype in two weeks.
- Configured and tested system functionalities according to the business requirements from key users, raised business cases to the technical team.
- Assisted in User Acceptance Testing (UAT) by preparing how-to documents and training materials for the key users and providing feedback during key user trainings.

## AWARDS

- HKU Postgraduate Scholarships                                  2023 - 2027
- First Class Honors                                                  2023
- Dean's Honors List                                             2019 & 2022
- Yu Kam Tim Chan Siu Hing Award in AI and DS                     2020 - 2021
- HKU Foundation Entrance Scholarship                             2018 - 2022

## SKILLS

**Languages**: Chinese, English, Cantonese (Intermediate).

**Programming**: `Python`, `C++`, `R`, `MATLAB`.

**Certificate**: Teaching and Learning in Higher Education.

## TEACHING

- Introduction to Database Management Systems (TA)                Fall 2024
- Big Data Management (TA)                                       Spring 2024
- Probability and Statistics (TA)                                 Fall 2020