

## Education

- Ph.D. in Systems Engineering and Engineering Management** *The Chinese University of Hong Kong*  
Full-time Postgraduate Student August 2019 – January 2024  
Research Interests: graph mining algorithm, social network analysis, spatial data mining  
Has 7 CORE A+ publications among the world's leading conferences including SIGMOD, ICDE, and TKDE  
GPA: 3.82/4.00
- Overseas Exchange Programme in Science** *McGill University, Canada*  
Full-time Exchange Student September 2018 – December 2018  
GPA: 3.67/4.00
- Bachelor of Science (Hons.) in Computer Science (Minor in Finance)** *Hong Kong Baptist University*  
Full-time Undergraduate Student September 2015 – June 2019  
First Class Honours  
Member of the Science Elite Programme  
GPA: 3.71/4.00

## Work Experience

- School of Computer Science, The University of Auckland** *August 2023 – November 2023*  
Research Assistant *Auckland, New Zealand*
  - Worked on the attributed hypergraph clustering problem
- Department of Computer Science, Aalborg University** *June 2018 – July 2018*  
Research Assistant *Aalborg, Denmark*
  - Worked on the efficient and effective indoor routing algorithm with spatial-textual information

## Technical & Soft Skills

- |   |  |
|---|--|
| <b>Languages</b>                          | English (Proficiency), Chinese (Native), Cantonese (Native)  |
| <b>Programming Languages</b>              | Java, Python, SQL, C++, HTML, JavaScript                     |
| <b>Mediation &amp; Dispute Resolution</b> | Joined workshops and applied skills to daily work and life   |
| <b>First Aid</b>                          | Standard First Aid Certificate issued by Hong Kong Red Cross |

## Publications

- Z. Feng**, M. Qiao, and H. Cheng. Modularity-based Hypergraph Clustering: Random Hypergraph Model, Hyperedge-cluster Relation, and Computation. In ACM SIGMOD International Conference on Management of Data (SIGMOD) 2024
- Z. Feng**, M. Qiao, and H. Cheng. Clustering Activation Networks. In IEEE International Conference on Data Engineering (ICDE) 2022
- Z. Feng**, T. Liu, H. Li, H. Lu, L. Shou, and J. Xu. Indoor top-k keyword-aware routing query. In IEEE International Conference on Data Engineering (ICDE) 2020
- T. Liu, **Z. Feng**, H. Li, H. Lu, L. Shou, and J. Xu. IKAROS: An Indoor Keyword-Aware Routing System. In IEEE International Conference on Data Engineering (ICDE) 2022
- T. Liu, **Z. Feng**, H. Li, H. Lu, M. A. Cheema, H. Cheng, and J. Xu. Towards Indoor Temporal-variation aware Shortest Path Query. In IEEE Transactions on Knowledge and Data Engineering (TKDE) 2021
- T. Liu, **Z. Feng**, H. Li, H. Lu, M. A. Cheema, H. Cheng, and J. Xu. Shortest path queries for indoor venues with temporal variations. In IEEE International Conference on Data Engineering (ICDE) 2020
- Q. Liu, **Z. Feng**, X. Xie, J. Xu, X. Lin, and C. Jensen. iZone: Efficient influence zone evaluation over geo-textual data. In IEEE International Conference on Data Engineering (ICDE) 2018

## Services & Activities

---

### Summer Undergraduate Research Programme

Peer Mentor

*The Chinese University of Hong Kong*

*June 2022 – September 2022*

- Assisted and supervised 6 undergraduate students from 5 overseas universities in the research projects on evolving network clustering

### Undergraduate and Postgraduate Teaching

Teaching Assistant

*The Chinese University of Hong Kong*

*January 2020 – December 2023*

- Teaching assistant of the courses: (a) Data Structures, (b) Fundamentals of Information Systems, (c) Client-Server Information Systems, and (d) Fundamentals of E-Commerce Technologies

### Nepal Service Tour

Person-in-Charge & Participant

*Hong Kong Baptist University*

*August 2016 – January 2017*

- Been a member of the organizing committee and a participant
- Organized training workshops and asked for sponsors

### Mainland Peer Mentor Programme

Peer Mentor

*Hong Kong Baptist University*

*June 2016 – June 2017*

- Provided mental first aid services to mainland students
- Assisted the freshmen to get used to life in Hong Kong

## Achievements

---

### Award

- Scholastic Award for Bachelor of Science (Hons.) in Computer Science
- First Price Award for the ASC 2018 Student Supercomputer Challenge

### Scholarship

- Study Abroad Programme Scholarship
- Mr. Liu Hao Tsing Scholarship Fund
- Overseas Summer Research Scholarship
- Vincent Woo Scholarship Scheme for Outstanding Mainland Students
- Outstanding Student Scholarships and CSD Alumni Scholarship
- WKF Scholarship - Learning & Exchange in One Belt One Road Regions