# Tien-Hsuan Wu

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## Education

PhD Candidate, The University of Hong Kong (2017-Present)
> Research Interests: Data Mining, Knowledge-Based Systems, Natural Language Processing

BEng in Computer Science, The University of Hong Kong (2017)
> First Class Honours
> Minor in Finance

## Working Experience

Research Assistant, Center for E-Commerce Infrastructure Development, HKU
> (FT: 2017/07-2017/08; PT: 2016/10-2017/04)
> Development and testing of *Hermes Business Messaging Gateway*.

## Awards

Jessie Ho Memorial Postgraduate Fellowship (2017)
Y S and Christabel Lung Postgraduate Scholarship for Engineering Students (2017)
Dean's Honours List (2014, 2016)
HKU Foundation Scholarships for Outstanding International Students (2013-17)
HKSAR Government Scholarship Fund (2013-17)
Mr Armin and Mrs Lillian Kitchell Scholarships (2013-17)

## Publications

**Tien-Hsuan Wu**, Ben Kao, Anne SY Cheung, Michael MK Cheung, Chen Wang, Yongxi Chen, Guowen Yuan and Reynold Cheng. Integrating Domain Knowledge in AI-assisted Criminal Sentencing of Drug Trafficking Cases. International Conference on Legal Knowledge and Information Systems (JURIX2020), to appear.

**Tien-Hsuan Wu**, Ben Kao, Zhiyong Wu, Xiyang Feng, Qianli Song, Cheng Chen. MULCE: Multi-level Canonicalization with Embeddings of Open Knowledge Bases. Web Information Systems Engineering – WISE 2020. Lecture Notes in Computer Science, pages 315-327. Springer, 2020.

Zhiyong Wu, Ben Kao, **Tien-Hsuan Wu**, Pengcheng Yin, Qun Liu. PERQ: Predicting, Explaining, and Rectifying Failed Questions in KB-QA Systems. Proceedings of the 13th International Conference on Web Search and Data Mining, pages 663-671. ACM, 2020.

**Tien-Hsuan Wu**, Zhiyong Wu, Ben Kao, and Pengcheng Yin. Towards practical open knowledge base canonicalization. In Proceedings of the 27th ACM International Conference on Information and Knowledge Management, pages 883-892. ACM, 2018.

## Manuscripts

**Tien-Hsuan Wu**, Ben Kao, Anne SY Cheung, Michael MK Cheung, Yongxi Chen and Reynold Cheng. Leveraging Domain Knowledge in Drug Trafficking Case Search.

**Tien-Hsuan Wu**, Ben Kao, Anne SY Cheung, Michael MK Cheung, Yongxi Chen and Reynold Cheng. Improving Court Judgment Search by Analyzing Access Logs in Legal Information Systems.

## Teaching

Teaching Assistant
  (2019 Spring) Legal Aspects of Computing
  (2018 Spring) Introduction to Database Management Systems