Ka-Ho Chow

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- More information and auxiliary documents can be found at
  https://khchow.com

RESEARCH INTERESTS

Data Mining; Machine Learning; Mobile Computing

EDUCATION

Georgia Institute of Technology, Atlanta, GA, USA

Ph.D., Computer Science, *Expected:* Fall 2023

- Advisor: Prof. Ling Liu

Hong Kong University of Science and Technology, Hong Kong

M.Phil., Computer Science, June 2018

- Thesis: *Efficient Locality Classification for Indoor Fingerprint-based Systems*
- Advisor: Prof. S.-H. Gary Chan

B.Eng., Computer Science, June 2016

RESEARCH EXPERIENCE

Graduate Research Assistant   January 2019 to present
Distributed Data Intensive Systems Lab,
College of Computing,
Georgia Institute of Technology
Supervisor: Prof. Ling Liu

Graduate Research Assistant   September 2016 to December 2018
Multimedia Technology Research Center,
Department of Computer Science and Engineering
Hong Kong University of Science and Technology
Supervisor: Prof. S.-H. Gary Chan

WORK EXPERIENCE

Mobile Application Developer   June 2014 to May 2015
Code Free Soft Limited,
Hong Kong

REFEREED PUBLICATIONS

1. **K.-H. Chow**, S. He, J. Tan and S.-H. Chan, "Efficient Locality Classification for Indoor Fingerprint-based Systems," *IEEE Transactions on Mobile Computing (TMC)*, Vol. 18, No. 2, pp. 290-304, February 2019. [PDF]

PREPRINTS

1. **K.-H. Chow**, A. Hiranandani, Y. Zhang and S.-H. Chan, "Representation Learning of Pedestrian Trajectories Using Actor-Critic Sequence-to-Sequence Autoencoder," *arXiv preprint arXiv:1811.08069.* [arXiv]

2. Y. Zhang, **K.-H. Chow** and S.-H. Chan, "DA-LSTM: A Long Short-Term Memory with Depth Adaptive to Non-uniform Information Flow in Sequential Data," *arXiv preprint arXiv:1903.02082.* [arXiv]

ACHIEVEMENTS

Hong Kong University of Science and Technology
- Postgraduate Studentship   2016-2017, 2017-2018
- Dean's List   2015-2016

Hong Kong
- Sir Edward Youde Memorial Prize   2009-2010

TEACHING EXPERIENCE	Graduate Teaching Assistant COMP 2012 - Object-Oriented Programming and Data Structures Instructor: Prof. S.-H. Gary Chan Department of Computer Science and Engineering, Hong Kong University of Science and Technology	Spring 2018
	Graduate Teaching Assistant COMP 1021 - Introduction to Computer Science Instructor: Dr. David Rossiter Department of Computer Science and Engineering, Hong Kong University of Science and Technology	Spring 2017
	Graduate Teaching Assistant COMP 1029P - Python Programming Bridging Course Instructor: Dr. Gibson Lam Department of Computer Science and Engineering, Hong Kong University of Science and Technology	Fall 2016
SERVICE	Reviewer • IEEE Transactions on Mobile Computing (TMC) • IEEE International Conference on Computer Communications (INFOCOM) • MDPI ISPRS International Journal of Geo-Information (IJGI) • MDPI Sensors	2017, 2018
REFERENCES	Available Upon Request	