

Erin You Wu

EDUCATION

University of Luxembourg Luxembourg
PhD in Operations Management Expected Nov 2022

University of Luxembourg Luxembourg
Master in Logistics and Supply Chain Management Jul 2018
incl. **Massachusetts Institute of Technology (MIT)** SCALE Certificate
Thesis: *Improving Transparency of Inbound Supply Chain* with Ferrero Rocher

The Hong Kong Polytechnic University (HKPU) Hong Kong SAR
Bachelor of Science in Logistics Engineering with management, GPA: 3.81/4.0 Sep 2016
First Class Honors Thesis: *Projecting the passenger volume in Departure Hall* with HKIA

University of Waterloo Ontario, Canada
Academic Exchange, GPA: 90.6/100 Jan 2015 – May 2015

WORKING EXPERIENCE

Department of Computing, HKPU Hong Kong, China
Research Assistant Sep 2016 – Aug 2017

- Applied neural networks (Long-Short Term Memory) for predicting human intention in daily reading practices
- Processed data of physiological signals of computer users by analyzing videos streamed from non-intrusive camera-embedded mouse, using Fast Fourier Transfer Methods
- Designed and conducted a user study of eye examination mobile App in the context of voluntary vision screening projects and personal uses, mainly using qualitative methods including surveys, interviews, and focus group to investigate user behaviors and perceptions.

Department of Industrial & System Engineering, HKPU Hong Kong, China
Part-Time Student Assistant Oct 2015 – Apr 2016

- Simulated the landing utilization of the 3rd runway system in Hong Kong International Airport (HKIA)
- Conducted a feasibility study of the check-in system for the 3rd runway system in HKIA

Department of Computing, HKPU Hong Kong, China
Part-Time Student Assistant Jul 2015 – Mar 2016

- Predicted user intentions in daily reading practices using Hidden Markov Model and SVM
- Detected users' engagement levels in reading tasks via camera and physiological signals

Airport Authority Hong Kong Hong Kong, China
Intern Jul 2015 – Aug 2015

- Conducted surveys and analytic studies on daily check-in passenger behaviors including arrival patterns and critical factors
- Developed an application for projecting the real-time passenger volume in check-in hall

PUBLICATION

- T. C. K. Kwok, E. Y. Fu, Y. E. Wu, M. X. Huang, G. Ngai, and H. V. Leong, "Ev'ry Little Movement Has a Meaning of Its Own: Using Past Mouse Movements to Predict the Next Interaction," in *IUI '18 Proceedings of the 23th International Conference on Intelligent User Interfaces*, 2018.
- Y. Fu, T. C. K. Kwok, Y. E. Wu, H. V. Leong, and G. Ngai, "Your Mouse Reveals Your Next Activity: Towards Predicting User Intention from Mouse Interaction," in *COMPSAC '17 IEEE Computer Software and Applications Conference*. 2017

ACTIVITIES & HONORS

- The Champion Group of the Fresh Connection Challenge of the MIT SCALE Network Jan 2018
- The Chartered Institute of Logistics and Transport in Hong Kong (CILTHK): Case Competition 2016 Second-runner up May 2016

TECHNICAL SKILLS

C/C++, Python, Tensorflow, SPSS, Matlab, Promodel, CPLEX