

"Hank" Hao-Ping Lee

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My current research interests lie in Human-Computer Interaction in general, while specifically, they lie in 1) investigating user behavior and interaction with technologies in ubiquitous computing environments; 2) building technologies that support users' attention and communication. I use mix-method analysis in my studies: I am broadly interested in utilizing ubiquitous sensing technologies and machine learning techniques; I also design and conduct qualitative studies and analysis.

Education

2014-2018 **B.Sc. from National Chiao-Tung University, Computer Science, Hsin-Chu, Taiwan.**
GPA: 4.19/4.30 (Overall), 4.27/4.30 (Last 60 units), Ranking: 1/35
Advisor: Prof. Yung-Ju Chang

Research Experience

Summer 2019 **The University of Melbourne, Visiting Researcher.**
Advisor: Dr. Tilman Dingler

- Develop a prototype to investigate the feasibility of Rapid Serial Visual Presentation (RSVP) reading in mobile notifications.

2018-2019 **National Chiao-Tung University, Research Assistant.**
Advisor: Prof. Yung-Ju Chang

- Research on the impact of interpersonal relationship on mobile receptivity.
- Predicting mobile users' responsiveness to instant messaging based on communication history logs.
- Studying Human-AI interaction in the smart-home context.

Publications

Published (4) **Does Who Matter? Studying the Impact of Relationship Characteristics on Receptivity to Mobile IM Messages.**
Hao-Ping Lee, Kuan-Yin Chen, Chih-Heng Lin, Chia-Yu Chen, Yu-Lin Chung, Yung-Ju Chang, and Chien-Ru Sun
ACM Special Interest Group on Computer-Human Interaction (**CHI**), 2019

Connecting IM Pattern and Selective Responsiveness to Relationship: A Cluster-Based Approach.
Hao-Ping Lee, Kuan-Yin Chen, Chih-Heng Lin, and Yung-Ju Chang
Workshop at International Conference on Ubiquitous Computing (**Ubicomp EA**), 2019

Ubiquitous Smart Eyewear Interactions using Implicit Sensing and Unobtrusive Information Output.
Qiushi Zhou, Joshua Newn, Benjamin Tag, **Hao-Ping Lee**, Chaofan Wang, and Eduardo Velloso
Workshop on International Conference on Ubiquitous Computing (**Ubicomp EA**), 2019

Who Matters: A Closer Look at Interpersonal Relationship in Mobile Interruptibility.
Hao-Ping Lee*, Kuan-Yin Chen*, Chih-Heng Lin, and Yung-Ju Chang
Workshop at International Conference on Ubiquitous Computing (**Ubicomp EA**), 2017
(* indicates equal contribution)

- Accepted (1) **Predicting Smartphone Users' General Responsiveness to IM Contacts Based on IM Behavior.**
Hao-Ping Lee, Tilman Dingler, Chih-Heng Lin, Kuan-Yin Chen, Yu-Lin Chung, Chia-Yu Chen, and Yung-Ju Chang
Poster at International Conference on Human-Computer Interaction with Mobile Devices and Services (**MobileHCI EA**), 2019
- Under Review (1) **Predicting Smartphone Users' Responsiveness in Instant Messaging Based on Communication Patterns.**
Hao-Ping Lee, Tilman Dingler, Chih-Heng Lin, Kuan-Yin Chen, Yu-Lin Chung, Chia-Yu Chen, and Yung-Ju Chang
International Journal of Human-Computer Studies (**IJHCS**), 2019

Invited Talks

- 2019 **Modeling Smartphone Users' Receptivity in Instant Messaging Based on Sender-Recipient Relationship and Communication Patterns**, *The University of Melbourne, Australia.*
Instant Messaging Receptivity Research, *PIXNET Digital Media Corporation, Taiwan.*

Academic Services

- 2019 Conference Paper Reviewer: MobileHCI
Conference Student Volunteer: MobileHCI

Awards

- 2014-2018 **President's Awards (5 times)**, *Computer Science, National Chiao Tung University*, Awarded to students within the top 5% GPA in that semester.
- 2017 **College Student Research Scholarship**, *National Science Council (NSC), Taiwan.*
- 2017 **Excellent Work**, *College Student Research Contest, Computer Science, National Chiao-Tung University.*
- 2015 **Third Place**, *Application Software Programming Contest, National Chiao-Tung University.*

Work Experiences

- Summer 2017 **TITANSOFT PTE. LTD**, *Taipei, Taiwan*, Software Engineer Intern.
○ Developed and optimized enterprise internal system.
- Jun 2016 - Jun 2017 **Industrial Technology Research Institute**, *Hsinchu, Taiwan*, Part-time Software Engineer.
○ Develop tools for E-Commerce and Social Network websites big data collection and analysis.

Teaching Experiences

- Spring 2019 **Teaching Assistant**, *Technology Entrepreneurship: From IP to IPO, National Chiao-Tung University.*
- Fall 2017 **Teaching Assistant**, *Special Topics on Leadership and Group Learning, National Chiao-Tung University.*
- 2015 **Lecturer**, *Introduction to Python Programming, ICube Organization (student-based NGO), National Chiao Tung University.*

Skills

- Programming Python, Android, Java, R, C++, C, C#, Verilog
- Tools sci-kit learn, SPSS, Latex, Linux
- Professional User Experience and Usability Evaluation, Agile Software Development