Yi-Chi Liao

RESEARCH INTEREST

Human-computer interaction, Haptic UI,
Touch & Gesture input, Wearable & Mobile interfaces,
Human-computer integration.

🌐 **https://yichiliao.github.io**

✉ **yichi@cmlab.csie.ntu.edu.tw**

EDUCATION

09/2014 - 07/2017

M.B.A., Information Management, National Taiwan University, Taipei, Taiwan

Thesis: Effective and Expressive Alphanumeric Character Output on a Wrist-Worn Tactile Display.

Advisor: *Dr. Bing-Yu Chen*

Overall: 3.97/4.3

09/2010 - 08/2014

B.B.A., Information Management, National Taiwan University, Taipei, Taiwan

Last 60: 3.93/4.3; CS Major: 3.87/4.3; Overall: 3.65/4.3; Overall Rank:10/44

PUBLICATION

[1] **Yi-Chi Liao**, Yen-Chiu Chen, Liwei Chan, Bing-Yu Chen. 2017. Dwell++: Multi-Level Mode Selection with Vibrotactile Cues. In *proceedings of the 30th annual ACM symposium on User Interface Software and Technology (UIST'17).* ACM, New York, NY, USA.

[2] Yung-Ta Lin, **Yi-Chi Liao**, Shan-Yuan Teng, Yi-Ju Chung, Liwei Chan, Bing-Yu Chen. 2017. Outside-In: Visualizing-Out-of-Sight Region-of-Interests in a 360 Video Using Spatial Picture-in-Picture Previews. In *proceedings of the 30th annual ACM symposium on User Interface Software and Technology (UIST'17)*. ACM, New York, NY, USA.

[3] **Yi-Chi Liao**, Yi-Ling Chen, Jo-Yu Lo, Rong-Hao Liang, Liwei Chan, Bing-Yu Chen. 2016. EdgeVib: Effective Alphanumeric Character Output Using a Wrist-Worn Tactile Display. In *proceedings of the 29th annual ACM symposium on User Interface Software and Technology (UIST'16)*. ACM, New York, NY, USA, 595 - 601.

[4] **Yi-Chi Liao**, Shun-Yao Yang, Rong-Hao Liang, Liwei Chan, Bing-Yu Chen. 2015. ThirdHand: Wearing a Robotic Arm to Experience Rich Force Feedback. In *proceedings of Siggraph Asia 2015 Emerging Technology (SA'15).* ACM, New York, NY, USA, Article 24, 1.

[5] Chin-Yu Chien, Cheng-Yuan Li, Liwei Chan, **Yi-Chi Liao**, Rong-Hao Liang, Hao-Hua Chu, Bing-Yu Chen. 2015. fStrip: a Malleable Shape-retaining Wearable Strip for Interface On-demand. In *Adjunct Proceedings of Pervasive and Ubiquitous Computing and International Symposium on Wearable Computers (UbiComp/ISWC'15 Adjunct)*. ACM, New York, NY, USA, 105 - 108.

WORKS / INTERNSHIPS

02/2016 - 06/2016

Teaching Assistant of Introduction to HCI

Computer Science and Information Engineering, National Taiwan University

Instructor: *Prof. Bing-Yu Chen & Prof. Rong-Hao Liang*

09/2014 - 01/2015 & 09/2015 - 01/2016

Teaching Assistant of Computer Architecture

Information Management, National Taiwan University

Instructor: *Prof. Bing-Yu Chen*

09/2014 - 02/2015

Software Engineer and Business Consultant,

Deloitte, https://www2.deloitte.com/

Programming the back-end side of an enterprise resource management system.

AWARDS

- Best Implementation Award (US$ 1,000), Student Innovation Competition, UIST 2016. EMS Air Guitar.

- 1st Prize and Best Creative Award (NT$ 25,000), HackNTU 2014, National Taiwan University. Genki Cushion.

- Academic Achievement Awards (NT$ 2,000), National Taiwan University, 2014.
  (GPA in top 5% of the students in a class of 48 students.)

PROFESSIONAL ACTIVITIES

PAPER REVIEWING

CHI 2016, 2017, ISWC 2017

MobileHCI 2017, TEI 2017

Augmented Human 2016

ORGANIZING

Technical Service Committee: OpenHCI'15

Co-organizer: OpenHCI'16

Founder & Organizer: Hot! Cut! Interaction! 2017

STUDENT VOLUNTEER

Siggraph Asia 2016

INVITED TALK

- **Introduction to Haptics**, in the course "Future Interactive Technology", National Chiao-Tung University, Taiwan, 2017. Instructor: *Prof. Liwei Chan.*

- **Introduction to Human-Computer Interaction**, in the training section of OpenHCI'17, Taiwan, 2017

- **Empirical Research Methods for HCI**, in HoCuIn'17, Taiwan, 2017

- **How to Give a Research Talk**, Taiwan, 2017