yichi@cmlab.csie.ntu.edu.tw

Yi-Chi Liao

RESEARCH INTEREST

human-computer interaction, haptics, haptic-augmented touch, human-robot symbiosis

EDUCATION

09/2010 ~ 08/2014:

M.B.A., Information Management, National Taiwan University, Taipei, Taiwan
Thesis: Effective and Expressive Alphanumeric Character Output on Wrist-worn Tactile Display.
Advisor: *Dr. Bing-Yu Chen*
Overall: 3.97/4.3

09/2014 ~ 07/2017:

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**, 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.

[2] **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.

[3] 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.

PROFICIENCY

- Programming Language: C/C++, Java, Python, Javascript
- Hardware Prototyping: Arduino, Processing, 3D printing, Laser Cutting
- Unity 3D Apps & Android Apps Development

WORK/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 a 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$ 2,500), 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
• TEI 2017
• ISWC 2017
• MobileHCI 2017
• Augmented Human 2016

STUDENT VOLUNTEER
• Siggraph Asia 2015

ORGANIZING
• Technical Service Committee: OpenHCI'15
• Co-organizer: OpenHCI'16
• Founder & Organizer: Hot! Cut! Interaction! 2017

INVITED TALK
• **"Introduction to Haptics"**, in the course of 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