

Joey Chiao-Yin Hsiao

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RESEARCH INTERESTS

Main: Human-Computer Interaction (HCI), Social Computing, Ubiquitous Computing
Sub: Computer-Mediated Communication, Location-based Social Media

EDUCATION

University of Michigan

Ph.D in Information Science

Advisor: Dr. Tawanna R. Dillahun

Ann Arbor, MI, USA

Sep '15 – Present

National Taiwan University

M.S. in Computer Science

Advisor: Dr. Jane Yung-Jen Hsu

Taipei, Taiwan

Sep '10 – Jun '13

Carnegie Mellon University (Silicon Valley Campus)

Visiting Scholar

Advisor: Dr. Ted Selker

Moffett Field, CA, USA

Jul '12 – Sep '12

National Taiwan University

B.S. in Computer Science

Taipei, Taiwan

Sep '06 – Jun '10

PUBLICATIONS

Conference Proceeding Papers

- **Hsiao, J. C.-Y.**, Dillahun, T. R. People-Nearby Applications: How Newcomers Move Their Relationships Offline and Develop Social and Cultural Capital. In *Proc. of CSCW '17*, 26-40 (acceptance rate: 33%).
- Rajan, R., **Hsiao, J. C.-Y.**, Lahoti, D., and Selker, T. “Roger that!” - The Value of Adding Social Feedback in Audio-mediated Communications. In *Proc. of IFIP TC.13 International Conference on Human-Computer Interaction 2013 (INTERACT '13)*, 471-488 (acceptance rate: 31%).
- Tsai, W.-C., **Hsiao, J. C.-Y.**, Lee, H.-C., Huang, C.-H., Hu, J.-C., Liang, R.-H., and Hsu, Y.-J. Designing a Reminiscence Aid in Personal Soundscape. In *Proc. of International Association of Societies of Design Research 2013 (IASDR '13)*, 5150-5160.

Conference and Workshop Presentations

- **Hsiao, J. C.-Y.**, Dillahun, T. R. Detecting Life Changes: Increasing Opportunities to Benefit from People-Nearby Applications. To appear in *CHI '17 Extended Abstract*.
- **Hsiao, J. C.-Y.**, Pan, M.-H., Wang, H.-C., and Hsu, Y.-J. Let's Solve It Together: Introducing Crowd Workers to Friendsourcing for Improving Creative Design. Presented at *The Taiwan Computer-Human Interaction Workshop 2015 (Tai-CHI '15)* (Presenter).
- **Hsiao, J. C.-Y.**, Pan, M.-H., Wang, H.-C., and Hsu, Y.-J. The Price of the Priceless: Understanding Estimated Costs of Work in Friendsourcing. In *The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2015 (CHI EA '15)*, 1893-1898 (Presenter).
- Tsai, W.-C., Lee, H.-C., **Hsiao, J. C.-Y.**, Liang, R.-H., and Hsu, Y.-J. Framing Design of Reminiscence Aids with Transactive Memory Theory. In *The ACM SIGCHI Conference on Human Factors in Computing Systems Extended Abstract 2013 (CHI EA '13)*, 331-336.
- Tsai, W.-C., **Hsiao, J. C.-Y.**, Lee, H.-C., Huang, C.-H., and Hsu, Y.-J. In Search of Lost Sounds: Designing a Reminiscence Aid in Everyday Soundscape. Presented at *The ACM conference on Designing Interactive Systems 2012 (DIS '12)*.
- **Hsiao, J. C.-Y.**, Jih, W.-R., and Hsu, Y.-J. Recognizing Continuous Social Engagement Level in Dyadic Conversation by Using Turn-taking and Speech Emotion Patterns. Presented at *AAAI '12 Activity Context Representation Workshop (ACR '12)* (Presenter).

PUBLICATIONS (Cont.)

Unpublished Theses and Technical Reports

- **Hsiao, J. C.-Y.** Assessing Engagement in Conversation by Hierarchically Decomposing Emotion and Interaction. Master's Thesis, Dept. of Computer Science and Information Engineering (CSIE), National Taiwan University.

HONOR

Dept. CSIE, Natl. Taiwan Univ.

Taipei, Taiwan

Graduation Representative

Jun '12

Was chosen as the recognized master's student for leadership and active participation in student affairs of the department

PROFESSIONAL EXPERIENCE

UX Team, [Intel-NTU IoX Center](#)

Taipei, Taiwan

Workshop Organizing Facilitator

Mar '15 – May '15

Organized the collaborative workshop on design thinking of Stanford d.school and National Taiwan University IoX Center

Research Assistant

Jul '14 – Jul '15

Carried out research on user experience and natural user interface under smart environment as the only M.S. member in the team (Advisor: Dr. Bing-Yu Chen)

[Collaborative & Social Computing Lab](#), Dept. CS, Natl. Tsing-Hua Univ.

Hsinchu, Taiwan

Collaborative Researcher

Jul '14 – Jul '15

Led a project on friendsourcing, aiming to understand how social capital works when a SNS user requests resources on her/his own social network (Advisor: Dr. Hao-Chuan Wang)

Taiwan Army (Mandatory Military Service)

Taichung, Taiwan

Company Chief Consultant (Second Lieutenant)

Aug '13 – Jul '14

Handled psychological consulting, human resources management, and welfare of a military company with 40+ members

[OpenHCI Workshop: the Student-Initiated Workshop on HCI](#)

Taipei, Taiwan

Program Chair

Jan '13 – Jul '13

Organized OpenHCI '13 (the 4th OpenHCI Workshop), with 20+ graduate students across department of computer science, design, and communication of three universities

Director of Human Resources Management

Jan '11 – Jul '11

Managed the human resources of OpenHCI '11 (the 2nd OpenHCI Workshop), including coach training, attendee registration, and volunteer recruitment

[Intelligent Agents Lab](#), Dept. CSIE, Natl. Taiwan Univ.

Taipei, Taiwan

System Administrator

Mar '11 – Jul '13

Managed devices and web services for 30+ lab members

PROFESSIONAL SERVICES

[CHI '17](#)

Denver, CO, USA

Student Volunteer

May '17

Provide 20-hour services as a student volunteer at CHI '17.

Peer Reviewer (Paper)

Oct '16 – Nov '16

[TEI '17](#)

Yokohama, Japan

Peer Reviewer (Work-in-Progress)

Dec '16

ACM SIGCHI Student Volunteer Program 2016

USA

Student Volunteer

Jul. '16 – Aug '16

Work with Prof. Sue Fussell to organize a list of committee members of past ACM SIGCHI conferences.

Taiwan Night at CHI'16

San Jose, CA, USA

Organizing Committee

Mar. '16 – May '16

Organized a reunion event for Taiwanese HCI researchers at CHI'16

Taiwan Computer-Human Interaction Workshop 2015 (Tai-CHI '15)

Organizing Committee

Organized the Tai-CHI '15 as the youngest member of the committee

Taipei, Taiwan

Jan '15 – Jul '15

Taiwan Night at CHI '15

Organizing Committee

Organized a reunion event for Taiwanese HCI researchers at CHI '15

Seoul, South Korea

Mar. '15 – May '15

TEACHING EXPERIENCE

Dept. CSIE, Natl. Taiwan Univ. & Dept. Indst. Design, Natl. Taiwan Univ. of Sci. and Tech.

“Advanced Human-Computer Interface/User-Oriented Innovation Design”

Taipei, Taiwan

Teaching Assistant

Feb '13 – Jun '13

Facilitated a cross-campus and interdisciplinary course for graduate students, enrolled by 10+ computer science students and 10+ design students

OpenHCI '11

Taipei, Taiwan

Team Coach

Jul '11

Guided an inter-disciplinary team with six members to complete an interactive design project in the 5-day workshop

Dept. CSIE, Natl. Taiwan Univ.

“Introduction to Computer Science”

Taipei, Taiwan

Teaching Assistant

Sep '10 – Jan '11

Facilitated an introductory course for 60+ CS-major freshmen, and guide studios every other week

VOLUNTEER EXPERIENCE

StarRain Service Association for Autism

Taipei, Taiwan

Volunteer for Autism

Feb '08 – Jun '13

Organized and attended volunteer activities for autistic children and teenagers regularly

Publicist

Sep '08 – Jun '09

Published 4 seasonal magazines and designed activities of public relations on caring autism