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Zhicong Lu

Education

Jan. 2017 - Present
University of Toronto, Toronto, Canada
Ph.D. in Computer Science
– Supervised by Professor Daniel Wigdor

Sept. 2015 –Jan. 2017
University of Toronto, Toronto, Canada
Master of Science in Computer Science
– Supervised by Professor Daniel Wigdor

Sept. 2012 –July 2015
Tsinghua University, Beijing, China
Master of Arts in Interdisciplinary Studies of Information and Art Design
– Co-supervised by Professor Ying-Qing Xu and Professor Yuanchun Shi
– Enrolled in Tsinghua-UC Berkeley Global Technical Entrepreneurship Program

Sept. 2008 –July 2012
Tsinghua University, Beijing, China
Bachelor of Engineering in Electronic Information Science and Technology
– *Thesis: Energy Harvesting Device for Structural Health Monitoring System*; developed a hardware to harvest energy from ambient vibrations, using TinyOS nesC to program the sensors for power management

Sept. 2010 –July 2013
Bachelor of Arts in Design
– Designed and developed a tangible AR game for enhancing collaboration between players with computer vision technology and Processing; reported in local newspaper

Publications

2018
Zhicong Lu, Seongkook Heo, and Daniel Wigdor. 2018. StreamWiki: Enabling Viewers of Knowledge Sharing Live Streams to Collaboratively Generate Archival Documentation for Effective In-Stream and Post Hoc Learning. In Proceedings of the ACM on Human-Computer Interaction, Vol. 2, CSCW, Article 112 (November 2018). ACM, New York, NY. 26 pages (**CSCW '18**).

Zhicong Lu, Mingming Fan, Yun Wang, Jian Zhao, Michelle Annett, and Daniel Wigdor. 2018. InkPlanner: Supporting Prewriting via Intelligent Visual Diagramming. In IEEE **VAST '18** and TVCG).

Zhicong Lu, Haijun Xia, Seongkook Heo, and Daniel Wigdor. 2018. You Watch, You Give, and You Engage: A Study of Live Streaming Practices in China. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (**CHI '18**).

2017
J. Lin, **Z. Lu** (2017) The Rise and Proliferation of Live-Streaming in China: Insights and Lessons. In: Stephanidis C. (eds) HCI International 2017 – Posters' Extended Abstracts. HCI 2017. Communications in Computer and Information Science, vol 714. Springer, Cham

Mingming Fan, Anuruddha Hettiarachchi, **Zhicong Lu**, Seyong Ha, and Priyank Gupta. 2017. Comparing Mid-air Finger Motion with Touch for Small Target Acquisition on Wearable Devices. In Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems (**CHI EA '17**). ACM, New York, NY, USA, 1593-1600.

2014
F. Grey, E. Hwu, **Z. Lu**, et al. "LEGO2NANO: Designing interactive science for children in China" **IDC 2014 Extended Abstract** (Demo Paper), Aarhus, Denmark, 2014.

D. Shi, K. Fang, **Z. Lu**, et al. "Smart Flash: A Prototype of an Active Style Camera" Issue 10, *Journal of Decoration*, Beijing, 2014.

Awards

2015 **Wolfond Scholarship**, *University of Toronto*

2014 **Meilin Han Scholarship**, *Academy of Arts and Design (for distinguished students in arts and design)*

2013 **Ding Zhang Scholarship**, *Academy of Arts and Design (Top 5% in class)*

2008 **Scholarship for Freshmen**, *Tsinghua University, Top 10 in Collage Entrance Exam in Ningxia Province*

Projects & Experience

Dec. 2013 –April 2014

Interaction Design Internship in HITLab AU, *Univ. of Tasmania, Tasmania, Australia*
Advisor: Prof. Henry Duh, University of Tasmania

– Collaborated with designers in the company of Sense-T and designed information architecture of the situational awareness system, based on data of their sensor networks and findings from workshop with 20 farm managers
– Researched over 20 papers about application of tangible user interaction and gamification in agriculture; highly commented by Prof. Henry Duh as a new research direction about HCI and food product innovation

Sept. 2014 –June 2015

Frigadget, Student Innovation Contest, UIST 2014, *Honolulu, Hawaii, US*
Advisor: Prof. Ying-Qing XU and Yuanchun Shi, Tsinghua University

– Studied design space of human-food interaction with cultural probes and surveys
– Designed and prototyped a smart device based on the findings with X-Bee and Raspberry Pi to help people manage food and reduce food waste by recording food data in fridge with user interface

Jan. 2013 –Dec. 2013

PiMi, Personal PM2.5 Monitor with Related Mobile App, *Beijing, China*
Advisor: Prof. Lin Zhang, Dept. of Electronic Engineering, Tsinghua University

– Designed the interaction flow of the device with interviews, storyboard and journey map
– Designed and developed an online community website for 500 users to log personal air quality data
– Reported by China Education TV

April 2011 –Nov. 2011

"Falling in Love with Library" Tsinghua Library Project, *Beijing, China*
– Made a web-based bookshelf-matching game to raise brand awareness for the library; first library game in China
– Wrote script for 1 of the 5 video dramas; best story in feedback from over 20,000 students
– Awarded **1st place of 10th IFLA International Marketing Award** in 2012

Skills & Interests

Languages   Chinese/English
Programming   C/ C++/Java/Matlab/JavaScript/Processing/Action Script 3.0/Python/Html5/Objective-C/PHP/OpenCV
Hardware   Arduino/Raspberry Pi/FPGA/Verilog/DSP
Software   Matlab/MySQL/Qt/Flash/Arduino/Processing/Altium Designer/Eagle/Photoshop/Illustrator/Maya/SketchUp
Interests   Drawing/Tennis/Erhu (Chinese traditional instrument)/Photography

Service

2019   **CHI 2019** Reviewer for Papers and Associate Chair for Late-Breaking Work

TEI 2019 Reviewer for Papers

2018   **CHI 2018** Reviewer for Papers (Received a **'Special Recognition'**) and Student Design Competition

CSCW 2018 Reviewer for Papers and Posters

CHI PLAY 2018 Reviewer for Papers

IDC 2018 Reviewer for Late-Breaking Work

MobileHCI 2018 Reviewer for Posters

2017   **CHI 2017** Reviewer for Late-Breaking Work

Chinese CHI 2017 Technical Liaison

2016   **CHI 2016** Reviewer for Art Exhibition

DIS 2016 Reviewer for Papers and Notes

2015   **Chinese CHI 2015** Editor for Chinese CHI Newsletter