Jun Gong

Curriculum Vitae

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Research Interests

My research interest lies in **developing novel interaction techniques** which can fill the gaps between computing resources and users. Specifically, my work focuses on new **sensing and output techniques** for **wearable devices.**

Education

2015 – Present **Dartmouth College**, *Hanover, New Hampshire, United States.*
Ph.D. in Computer Science, *Department of Computer Science.*

2010 – 2014 **Beijing University of Posts and Telecommunications (BUPT)**, *Beijing, China.*
B.E. in Electronic Engineering, *School of Electronic Engineering.*
Cumulative GPA: 89/100 or 3.8/4 **Ranking: 4th/280**.

Publications

2018 [C.8] **Jun Gong**, Xin Yang, Teddy Seyed, Josh Urban Davis, Xing-Dong Yang (2018). Inductivo: Contact-Based, Object-Driven Interactions with Inductive Sensing. In *Proceedings of the ACM Symposium on User Interface Software and Technology (**UIST'18**).*

[C.7] Da-Yuan Huang, Teddy Seyed, Linjun Li, **Jun Gong**, Zhihao Yao, Yuchen Jiao, Xiang Anthony Chen, Xing-Dong Yang (2018). Orecchio: Extending Body-Language through Actuated Static and Dynamic Auricular Postures. In *Proceedings of the ACM Symposium on User Interface Software and Technology (**UIST'18**).*

[C.6] **Jun Gong**, Zheer Xu, Qifan Guo, Teddy Seyed, Xiang 'Anthony' Chen, Xiaojun Bi and Xing-Dong Yang (2018). WrisText: One-handed Text Entry on Smartwatch using Wrist Gestures. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (**CHI'18**).* **Honorable Mention Award.**

[C.5] **Jun Gong**, Da-Yuan Huang, Teddy Seyed, Te Lin, Tao Hou, Xin Liu, Molin Yang, Boyu Yang, Yuhan Zhang and Xing-Dong Yang (2018). Jetto: Using Lateral Force Feedback for Smartwatch Interactions. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (**CHI'18**).*

2017 [C.4] **Jun Gong**, Yang Zhang, Xia Zhou and Xing-Dong Yang (2017). Pyro: Thumb-Tip Gesture Recognition Using Pyroelectric Infrared Sensing. In *Proceedings of the ACM Symposium on User Interface Software and Technology (**UIST'17**).*

[C.3] Da-Yuan Huang, Ruizhen Guo, **Jun Gong**, Jingxian Wang, John Graham, De-Nian Yang and Xing-Dong Yang. (2017). RetroShape: Leveraging Rear-Surface Shape Displays for 2.5D Interaction on Smartwatches. In *Proceedings of the ACM Symposium on User Interface Software and Technology (**UIST'17**).*

[C.2] **Jun Gong**, Lan Li, Daniel Vogel and Xing-Dong Yang (2017). Cito: An Actuated Smartwatch for Extended Interactions. In *Proceedings of the ACM Conference on Human Factors in Computing Systems (**CHI'17**).*

2016 [C.1] **Jun Gong**, Xing-Dong Yang and Pourang Irani (2016). WristWhirl: One-handed Continuous Smartwatch Input using Wrist Gestures. In *Proceedings of the ACM Symposium on User Interface Software and Technology (**UIST'16**).*

Professional Experience

2015 – Present **XDiscovery Lab**, Dartmouth College, Hanover, NH

Graduate Research Assistant, advised by Prof. Xing-Dong Yang

Lead research projects on sensing techniques and novel augmentations for mobile and wearable devices

2018.6 – 2018.10 **Autodesk Research**, Toronto, ON, Canada

UX Research Intern, advised by Dr. Tovi Grossman and Dr. Fraser Anderson

Detecting and identifying the activities, users and skills in fabrication space

Honors & Awards

2018 **Best Paper Nomination**, *ACM CHI 2018* (Top **5%**)

2013 **Second Prize** in **National Undergraduate Electronic Design** contest (Top **5%**)

2012, 2013 **First-Class Scholarship** of Beijing University of Posts and Telecommunications (Top **5%**)

2011 "Tang Jun & Sun ChunLan" Enterprise Scholarship (Top **1%**)

Teaching Assistant Experience

Fall 2015 COSC 175 **Introduction to Bioinformatics**, Dartmouth College

– held office hours, graded labs and shepherded course projects

Winter 2016 COSC 189 **Introduction to Human-Computer Interaction**, Dartmouth College

– held office hours, graded labs and course projects, and shepherded course projects

Spring 2016 COSC 165 **Smartphone Programming**, Dartmouth College

– held office hours, graded labs and course projects, and prepared exam questions

Academic Services

Paper Reviewer SIGGRAPH Asia 2016, TEI 2017, GI 2017, CHI 2018

Volunteer UIST 2016, UIST 2017

Skills

Programming C/C++, Java, C#, Python, Verilog

Tools Matlab, Solidworks, Weka, Android SDK, Arduino