

Jiannan Li

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Education

- 2016- PHD in Computer Science, University of Toronto
Advisors: Ravin Balakrishnan & Tovi Grossman
- 2012-14 MSc in Computer Science, University of Calgary
Advisors: Ehud Sharlin & Saul Greenberg
- 2008-12 BENG in Automation and Control, Southeast University, China

Publications

PEER-REVIEWED CONFERENCE & JOURNAL ARTICLES

- CHI22 Jiannan Li, Maurício Sousa, Chu Li, Jessie Liu, Yan Chen, Ravin Balakrishnan, and Tovi Grossman. 2021. **ASTEROIDS: Exploring Swarms of Mini-Telepresence Robots for Physical Skill Demonstration**. Conditionally accepted to *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22)*.
- UIST21 Jiannan Li, Jiahe Lyu, Maurício Sousa, Ravin Balakrishnan, Anthony Tang, and Tovi Grossman. 2021. **Route Tapestries: Route Tapestries: Navigating 360 Virtual Tour Videos Using Slit-Scan Visualizations**. In *Proceedings of the 34th Annual ACM Symposium on User Interface Software and Technology (UIST '21)*.
- UIST21 Jiangtao Gong, Teng Han, Siling Guo, Jiannan Li, Siyu Zha. 2021. **HoloBoard: an Immersive Teaching Board for Lecture-based Classes**. In *Proceedings of the 34th Annual ACM Symposium on User Interface Software and Technology (UIST '21)*.
- CHI21 Zhicong Lu, Chenxinran Shen, Jiannan Li, Hong Shen, and Daniel Wigdor. 2021. **More Kawaii than a Real-Person Live Streamer: Understanding How the Otaku Community Engages with and Perceives Virtual YouTubers**. In *Proceedings of 2021 SIGCHI Conference on Human Factors in Computing Systems (CHI '21)*.
- GI20 Jiannan Li, Ravin Balakrishnan, and Tovi Grossman. 2020. **StarHopper: A Touch Interface for Remote Object-Centric Drone Navigation**. In *Proceedings of the 2020 Graphical Interface Conference (GI '20)*.
- CHI19 Teng Han, Jie Liu, Khalad Hasan, Mingming Fan, Junhyeok Kim, Jiannan Li, Xiangmin Fan, Feng Tian, Edward Lank, and Pourang Irani. 2019. **PinchList: Leveraging Pinch Gestures for Hierarchical List Navigation on Smartphones**. In *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19)*.

- CHI18 Teng Han, Jiannan Li, Khalad Hasan, Keisuke Nakamura, Randy Gomez, Ravin Balakrishnan, and Pourang Irani. 2018. **PageFlip: Leveraging Page-Flipping Gestures for Efficient Command and Value Selection on Smartwatches**. In *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems (CHI '18)*.
- IJHCS Jiannan Li, Saul Greenberg, Ehud Sharlin. (2017). **A Two-Sided Collaborative Transparent Display Supporting Workspace Awareness**. In *International Journal of Human Computer Studies (Int J HCS)*, 101:23-44.
- DIS14 Jiannan Li, Saul Greenberg, Ehud Sharlin, and Joaquim Jorge. 2014. **Interactive two-sided transparent displays: designing for collaboration**. In *Proceedings of the 2014 conference on Designing interactive systems (DIS '14)*.
- ICCSNT11 Jiannan Li, Pengbo Li, Hongyi Liu, Dong Li, and Jian Tang. 2011. **A Contactless Battery Charging and Monitoring System for Wireless Sensor Network Nodes**. In *Proceedings of 2011 International Conference on Computer Science and Network Technology (ICCSNT '11)*.

PRE-PRINTS

- arXiv21 Rahul Arora, Jiannan Li, Gongyi Shi, and Karan Singh. 2021. **Thinking Outside the Lab: VR Size & Depth Perception in the Wild**. arXiv:2105.00584.

POSTERS & WORKSHOPS

- HAI21 Jiannan Li, Maurício Sousa, Ravin Balakrishnan, and Tovi Grossman. 2021. **Constellation: a Multi-User Interface for Remote Drone Tours**. In *Proceedings of the 9th International Conference on Human-Agent Interaction (HAI '21)*.
- CHIEA13 Jiannan Li, Ehud Sharlin, Saul Greenberg, and Michael Rounding. 2013. **Designing the car iWindow: exploring interaction through vehicle side windows**. In *CHI '13 Extended Abstracts on Human Factors in Computing Systems (CHI EA '13)*.

Research Internships

- 2018 Université Paris-Saclay & INRIA, Orsay, France
Advised by Cédric Fleury and Michel Beaudouin-Lafon, worked on sense-making on wall-sized displays
- 2014 Lenovo Research, Beijing, China
Advised by Xiang Cao. Worked on novel interaction on mobile phone edges.

Industry Employment

- 2015-16 Nureva Inc., Calgary, Canada
Software engineer, worked on WebRTC solutions for remote collaborative work

Awards

- 2016-20 Ontario Trillium Scholarship
- 2016-18 Wolfond Scholarship Program in Wireless Information Technology

2013,14 University of Calgary Computer Science Graduate Research Award
2010 Southeast University Zhang Guiping Scholarship

Services

REVIEWER

2015,20-22 ACM CHI
2021,22 IEEE VR
2021 IEEE Transactions on Human-Machine Systems
2020 ACM UIST
2020 ACM CSCW
2020 International Journal on Human-Computer Studies
2014,15 ACM TEI

Mentoring

UNDERGRADUATE

2021 Yuchen Fan, UofT
2020,21 Jiahe Lyu, UofT, one paper accepted at UIST '21.

Teaching

TEACHING ASSISTANT

2020 University of Toronto
INF1344 (Introduction to Statistics), INF2130 (Mixed Reality)
2018,19 University of Toronto
INF1344 (Introduction to Statistics)
2017 University of Toronto
CSC309 (Web Programming), INF2170 (Information Architecture)
2014 University of Calgary
CPSC319 (Data Structures and Algorithms)