Brian Y. Lim

Assistant Professor
Department of Computing, School of Computing
National University of Singapore
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Last updated: August 2022

EDUCATION

Carnegie Mellon University, Pittsburgh, PA 09/2007 – 05/2012
Ph.D. in Human-Computer Interaction
M.S. in Human-Computer Interaction
GPA: 3.93 / 4

Cornell University, Ithaca, NY 08/2003 – 05/2006
B.S. in Engineering Physics, Minor in Computer Science
Summa Cum Laude, GPA: 4.00 / 4

RESEARCH INTERESTS

Research Areas: Explainable artificial intelligence, human-computer interaction, data analytics and visualization, ubiquitous computing for healthcare and smart cities.

I lead the NUS Ubicomp Lab.

PROFESSIONAL EXPERIENCE

Assistant Professor | Department of Computer Science, NUS	10/16 – Present
Principal Investigator | Institute for Health Innovation & Technology (iHealthTech)	10/16 – Present
Principal Investigator | DesCartes Programme, CNRS@CREATE	10/21 – Present
Principal Investigator | NUS Centre for Research in Privacy Technologies (N-CRiPT)	09/18 – Present
Principal Investigator | Sensor-enabled Social Media Centre (SeSaMe), NUS	02/17 – 09/18
Scientist | Institute for Infocomm Research (I2R), A*STAR, Singapore	07/14 – 10/16
User Experience Advisor | CrowdComfort Inc.	02/13 – 06/14
Post-Doc Fellow | Fraunhofer Center for Sustainable Energy Systems (CSE)	07/12 – 06/14
Graduate Research Assistant | Carnegie Mellon University	08/07 – 06/12
Summer Intern | Palo Alto Research Center (PARC)	06/09 – 09/09
Research Officer | Institute for Infocomm Research (I^2R), A*STAR, Singapore	07/06 – 07/07
Undergraduate Research Assistant | HCI Lab, Cornell University	08/05 – 07/06
Summer Intern | Institute for Infocomm Research (I2R), A*STAR, Singapore	06/04 – 08/04

KEY AWARDS

2022	Google Research Scholar Award. First from Singapore.
2022	CHI 2022 Best Paper Award (Top 1%)
2020	IMWUT Distinguished Paper Award (Top 6 out of 166 accepted papers in 2019)
2016	MOE Science Mentorship Programme (SME) – Outstanding Mentor Award
2015	IDA Hackathon@SG 2015 – 3rd Place out of 100+ teams
2015	Smart Health coLAB – Prize Winning Team
2014	IDA Data-in-the-City Visualization Challenge 2014 – 3rd Place
2009	CHI 2009 Best long paper nomination (Top 5%)
2007	A*STAR NSS (Ph.D.) Scholarship
2004, 2006	A*STAR Chairman's Honour List
2003–2006	Cornell University Dean's list (every semester)
2003	A*STAR NSS (BS) Scholarship
2000	XXXI International Physics Olympiad – Honorary Mention
1999	12th Singapore Physics Olympiad – Honorable Mention
1999	NTU Technology and Engineering Research Programme (TERP) – 1st Runner-Up

PUBLICATIONS

Google Scholar – 2847 citations, h-index: 18 (retrieved in August 2022)
* Corresponding author, underline indicates my research group members, **bold** denotes me.

Peer-reviewed publications (conferences and journals)
At NUS

1. Wencan Zhang and **Brian Y. Lim***. 2022. Towards Relatable Explainable AI with the Perceptual Process. *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22). ACM, New York, NY, USA, 1–16*.
   Best Paper Award (Top 1%).
2. Wencan Zhang, Mariella Dimiccoli, and **Brian Y. Lim***. 2022. Debiased-CAM to mitigate image perturbations with faithful visual explanations of machine learning. *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22). ACM, New York, NY, USA, 1–16*.
3. Yunlong Wang, Priyadarshini Venkatesh, and **Brian Y. Lim***. 2022. Interpretable Directed Diversity: Leveraging Model Explanations for Iterative Crowd Ideation. *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22). ACM, New York, NY, USA, 1–16*.
4. Xuejun Zhao, Wencan Zhang, Xiaokui Xiao, and **Brian Y. Lim***. 2021. Exploiting Explanations for Model Inversion Attacks. *IEEE/CVF International Conference on Computer Vision (ICCV '21), pp. 662-672*.
5. Sam Rhys Cox, Yunlong Wang, Ashraf Abdul, Christian von der Weth, and **Brian Y. Lim***. 2021. Directed Diversity: Leveraging Language Embedding Distances for Collective Creativity in Crowd Ideation. *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21). ACM, New York, NY, USA, Article 393, 1–35.*
6. Yan Lyu, Fan Gao, I-Shuen Wu and **Brian Y. Lim***. 2021. Imma Sort by Two or More Attributes with Interpretable Monotonic Multi-Attribute Sorting. *IEEE Transactions on Visualization and Computer Graphics (TVCG), vol. 27, no. 4, pp. 2369-2384.*
7. Danding Wang, Wencan Zhang, and **Brian Y. Lim***. 2021. Show or suppress? Managing input uncertainty in machine learning model explanations. *Artificial Intelligence, 294, 103456.*
8. Leye Wang, Daqing Zhang, Dingqi Yang, **Brian Y. Lim**, Xiao Han and Xiaojuan Ma. 2020. Sparse Mobile Crowdsensing with Differential and Distortion Location Privacy. *IEEE Transactions on Information Forensics and Security, vol. 15, pp. 2735-2749.*
9. Heidi Fuchs, Arman Shehabi, Mohan Ganeshalingam, Louis-Benoit Desroches, **Brian Y. Lim**, Kurt Roth, Allen Tsao. 2020. Comparing datasets of volume servers to illuminate their energy use in data centers. *Energy Efficiency, 13(3), 379-392.*
10. Ashraf Abdul, Christian von der Weth, Mohan Kankanhalli, and **Brian Y. Lim***. 2020. COGAM: Measuring and Moderating Cognitive Load in Machine Learning Model Explanations. *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20). ACM, New York, NY, USA, 1–14*.
11. Yan Lyu, Xu Liu, Hanyi Chen, Arpan Mangal, Kai Liu, Chao Chen, and **Brian Y. Lim***. 2020. OD Morphing: Balancing Simplicity with Faithfulness for OD Bundling. *IEEE Transactions on Visualization and Computer Graphics (TVCG), vol. 26, no. 1, pp. 811-821.*
12. Yan Lyu, Victor C. S. Lee, Joseph Kee-Yin Ng, **Brian Y. Lim**, Kai Liu, and Chao Chen. 2019. Flexi-Sharing: A Flexible and Personalized Taxi-Sharing System. *IEEE Transactions on Vehicular Technology, vol. 68, no. 10, pp. 9399-9413.*
13. Jiangtao Wang, Feng Wang, Yasha Wang, Daqing Zhang, **Brian Y. Lim**, and Leye Wang. 2019. Allocating Heterogeneous Tasks in Participatory Sensing with Diverse Participant-Side Factors. *IEEE Transactions on Mobile Computing (TMC), vol. 18, no. 9, pp. 1979-1991.*
14. **Brian Y. Lim***, Judy Kay, and Weilong Liu. 2019. How does a nation walk? Interpreting large-scale step count activity with weekly streak patterns. *Proceedings of the ACM Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), Volume 3, Issue 2, Article 57 (June 2019), 46 pages.*
    Distinguished Paper Award (Top 6 out of 166 accepted papers).
15. Homin Park, Homanga Bharadhwaj, and **Brian Y. Lim***. 2019. Hierarchical Multi-Task Learning for Healthy Drink Classification. *International Joint Conference on Neural Networks (IJCNN), 2019, 1-8.*
16. Danding Wang, Qian Yang, Ashraf Abdul, and **Brian Y. Lim***. 2019. Designing Theory-Driven User-Centric Explainable AI. *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI '19). ACM, New York, NY, USA, Paper 601, 1–15*.
17. Zhutian Yang, Eng Hooi Tan, Yingda Li, **Brian Y. Lim**, Michael Patrick Metz, and Tze Ping Loh. 2019. Relative criticalness of common laboratory tests for critical value reporting. *Journal of Clinical Pathology, 72(4).*

18. Kai Lukoff, Taoxi Li, Yuan Zhuang, and **Brian Y. Lim***. 2018. TableChat: Mobile Food Journaling to Facilitate Family Support for Healthy Eating. *Proceedings of the ACM on Human-computer Interaction (PACMHCI), Volume 2, Issue CSCW, Article 114 (November 2018), 28 pages.*
19. Homanga Bharadhwaj, Homin Park, and **Brian Y. Lim***. 2018. RecGAN: recurrent generative adversarial networks for recommendation systems. *Proceedings of the 12th ACM Conference on Recommender Systems (RecSys '18). ACM, New York, NY, USA, 372–376.*
20. Ashraf Mohammed, Jo Vermeulen, Danding Wang, and **Brian Y. Lim***, and Mohan Kankanhalli. 2018. Towards Explainable, Accountable and Intelligible Systems: An HCI Research Agenda. *Proceedings of the 2018 CHI conference on human factors in computing systems (CHI '18). ACM, New York, NY, USA, Paper 582, 1–18.*
21. **Brian Y. Lim***, Xinni Chng, and Shengdong Zhao. 2017. Trade-off between Automation and Accuracy in Mobile Photo Recognition Food Logging. *Proceedings of the Fifth International Symposium of Chinese CHI (Chinese CHI 2017). ACM, New York, NY, USA, 53–59.*
22. Leye Wang, Daqing Zhang, Dingqi Yang, **Brian Y. Lim**, and Xiaojuan Ma. 2016. Differential Location Privacy for Sparse Mobile Crowdsensing. *IEEE 16th International Conference on Data Mining (ICDM '16).*

Before NUS

23. Bryan Urban, Victoria Shmakova, **Brian Y. Lim**, and Kurt Roth. 2015. Residential Consumer Electronics Energy Consumption in the United States. *Energy Efficiency in Domestic Appliances and Lighting (EEDAL), pp. 648-656.*
24. **Brian Y. Lim**, Kurt Roth, Sainath Nambiar, and Haritha Rayakota. 2014. Rapid Prototyping of Energy Management Applications with FRESH. *Proceedings of the ACEEE 2014 Summer Study on Energy Efficiency in Buildings. Washington, DC: ACEEE, pp. 209-221.*
25. Kurt Roth, Victoria Shmakova, Bryan Urban, and **Brian Y. Lim**. 2014. Residential Consumer Electronics Energy Consumption in 2013. *Proceedings of the ACEEE 2014 Summer Study on Energy Efficiency in Buildings. Washington, DC: ACEEE, pp. 308-320.*
26. **Brian Y. Lim** and Anind K. Dey. 2013. Evaluating Intelligibility Usage and Usefulness in a Context-Aware Application. *International Conference on Human-Computer Interaction (pp. 92-101). Springer.*
27. **Brian Y. Lim** and Anind K. Dey. 2011. Investigating Intelligibility for Uncertain Context-Aware Applications. *Proceedings of the 13th international conference on Ubiquitous computing (UbiComp '11). ACM, New York, NY, USA, 415-424.*
28. **Brian Y. Lim** and Anind K. Dey. 2011. Design of an Intelligible Mobile Context-Aware Application. *Proceedings of the 13th International Conference on Human Computer Interaction with Mobile Devices and Services (MobileHCI '11). ACM, New York, NY, USA, 157-166.*
29. **Brian Y. Lim**, Aubrey Shick, Chris Harrison, and Scott E. Hudson. 2011. Pediluma: motivating physical activity through contextual information and social influence. *Proceedings of the fifth international conference on Tangible, embedded, and embodied interaction (TEI '11). ACM, New York, NY, USA, 173-180.*
30. **Brian Y. Lim**, Oliver Brdiczka, and Victoria Bellotti. 2010. Show me a good time: using content to provide activity awareness to collaborators with ActivitySpotter. *Proceedings of the 16th ACM international conference on Supporting group work (GROUP '10). ACM, New York, NY, USA, 263-272.*
31. **Brian Y. Lim** and Anind K. Dey. 2010. Toolkit to Support Intelligibility in Context-Aware Applications. *Proceedings of the 12th ACM international Conference on Ubiquitous Computing (Ubicomp '10).*
32. **Brian Y. Lim** and Anind K. Dey. 2009. Assessing Demand for Intelligibility in Context-Aware Applications. *Proceedings of the 11th international Conference on Ubiquitous Computing. (Ubicomp '09). ACM, New York, NY, 195-204.*
33. **Brian Y. Lim**, Anind K. Dey, and Daniel Avrahami. 2009. Why and why not explanations improve the intelligibility of context-aware intelligent systems. *Proceedings of the 27th international Conference on Human Factors in Computing Systems (CHI '09). ACM, New York, NY, 2119-2128.* **Best Paper Nomination (Top 5%).**
34. Chris Harrison, **Brian Y. Lim**, Aubrey Shick, and Scott E. Hudson. 2009. Where to locate wearable displays? Reaction time performance of visual alerts from tip to toe. *Proceedings of the 27th international Conference on Human Factors in Computing Systems (CHI '09). ACM, 941-944.*
35. **Brian Y. Lim**, Daqing Zhang, Manli Zhu, Song Zheng, and Mounir Mokhtari. 2007. Spontaneous Interaction Framework for Thin-Client Access to Services. *Ubiquitous Intelligence and Computing (UIC 2007). Lecture Notes in Computer Science, vol 4611. Springer, Berlin, Heidelberg.*
36. **Brian Y. Lim**, Daqing Zhang, Manli Zhu, and Song Zheng. 2007. Context-Aware Framework for Spontaneous Interaction of Services in Multiple Heterogeneous Spaces. *IEEE International Conference on Multimedia and Expo (ICME '07), pp. 328-331.*

37. Manli Zhu, Daqing Zhang, Jun Zhang, and **Brian Y. Lim**. 2007. Context-Aware Informative Display. *IEEE International Conference on Multimedia and Expo (ICME '07), pp. 324-327.*
38. Daqing Zhang, **Brian Y. Lim**, Manli Zhu, and Song Zheng. 2007. Supporting Impromptu Service Discovery and Access in Heterogeneous Assistive Environments. *International Conference on Smart Homes and Health Telematics (pp. 238-246). Springer Berlin Heidelberg.*

Workshops

At NUS

1. Lena Mamykina, Daniel A. Epstein, Predrag Klasnja, Donna Sprujt-Metz, Jochen Meyer, Mary Czerwinski, Tim Althoff, Eun Kyoung Choe, Munmun De Choudhury, and **Brian Y. Lim**. 2022. Grand Challenges for Personal Informatics and AI. In *CHI 2022 Conference on Human Factors in Computing Systems Extended Abstracts*, pp. 1-6.
2. Tsvi Kuflik, Jonathan Dodge, Styliani Kleanthous Loizou, **Brian Y. Lim**, Carina Negreanu, Avital Shulner-Tal, and Simone Stumpf. 2022. TExSS 22: Transparency and Explanations in Smart Systems. *27th International Conference on Intelligent User Interfaces (IUI '22 Companion). ACM.*
3. Alison Marie Smith-Renner, Styliani Kleanthous Loizou, Jonathan Dodge, Casey Dugan, Min Kyung Lee, **Brian Y. Lim**, Tsvi Kuflik, Advait Sarkar, Avital Shulner-Tal, and Simone Stumpf. 2021. TExSS: Transparency and Explanations in Smart Systems. *26th International Conference on Intelligent User Interfaces - Companion (IUI '21 Companion). ACM, New York, NY, USA, 24–25.*
4. Guang Jiang, Mengzhen Shi, Pengcheng An, Ying Su, Yunlong Wang, and **Brian Y. Lim**. 2020. NaMemo: Enhancing Lecturers' Interpersonal Competence of Remembering Students' Names. *Companion Publication of the 2020 ACM Designing Interactive Systems Conference.*
5. Alison Smith-Renner, Styliani Kleanthous, **Brian Y. Lim**, Tsvi Kuflik, Simone Stumpf, Jahna Otterbacher, Advait Sarkar, Casey Dugan, and Avital Shulner. 2020. ExSS-ATEC: Explainable Smart Systems for Algorithmic Transparency in Emerging Technologies 2020. *Proceedings of the 25th International Conference on Intelligent User Interfaces Companion (IUI '20). ACM, New York, NY, USA.*
6. Tom Gross, Kori Inkpen, **Brian Y. Lim**, and Michael Veale. 2019. The Human(s) in the Loop — Bringing AI and HCI Together. *IFIP Conference on Human-Computer Interaction (INTERACT 2019)*.
7. Jo Vermeulen, **Brian Y. Lim**, Mirzel Avdic, Danding Wang, and Ashraf Abdul. 2019. The Curious Case of Providing Intelligibility for Smart Speakers. *CHI 2019 Workshop on Where is the Human?.*
8. **Brian Y. Lim***, Qian Yang, Ashraf Abdul, and Danding Wang. 2019. Why these explanations? Selecting intelligibility types for explanation goals. *IUI 2019 Workshop on Explainable Smart Systems (ExSS).*
9. **Brian Y. Lim**, Advait Sarkar, Alison Smith-Renner, and Simone Stumpf. 2019. ExSS: explainable smart systems 2019. *Proceedings of the 24th International Conference on Intelligent User Interfaces: Companion (IUI '19). ACM, New York, NY, USA, 125–126.*
10. Homin Park, Abhinav Ramesh Kashyap, Zhenkai Wang, and **Brian Y. Lim***. 2018. Biases in Food Photo Taking Behavior. *CHI 2018 Workshop on Designing Recipes for Digital Food Lifestyles.*
11. **Brian Y. Lim***, Danding Wang, Tze Ping Loh, and Kee Yuan Ngiam. 2018. Interpreting Intelligibility under Uncertain Data Imputation. *IUI 2018 Workshop on Explainable Smart Systems (ExSS 2018).*
12. **Brian Y. Lim**, Alison Smith-Renner, and Simone Stumpf. 2018. ExSS: explainable smart systems. *Proceedings of the 23rd International Conference on Intelligent User Interfaces: Companion (IUI '18).*
13. **Brian Y. Lim***, Oshrat Ayalon, and Eran Toch. 2017. Reducing Communication Uncertainty with Social Intelligibility: Challenges and Opportunities. *CHI 2017 Workshop on Designing for Uncertainty in HCI.*

Before NUS

14. **Brian Y. Lim** and Anind K. Dey. 2012. Weights of Evidence for Intelligible Smart Environments. *Ubicomp 2012 Workshop on Adaptable Service Delivery in Smart Environments.*
15. Charles Gouin-Vallerand, **Brian Y. Lim**, and Anind K. Dey. 2012. Software provision in smart environment based on fuzzy logic intelligibility. *Proceedings of the 2012 ACM Conference on Ubiquitous Computing (UbiComp '12). ACM, New York, NY, USA, 774–777.*
16. Jo Vermeulen, **Brian Y. Lim**, and Fahim Kawsar. 2012. Pervasive Intelligibility: Second Workshop on Intelligibility and Control in Pervasive Computing. *Pervasive 2012 Workshop on Intelligibility and Control in Pervasive Computing.*
17. Jo Vermeulen, **Brian Y. Lim**, and Fahim Kawsar. 2011. Pervasive Intelligibility: Workshop on Intelligibility and Control in Pervasive Computing. *Pervasive 2011 Workshop on Intelligibility and Control in Pervasive Computing.*
18. **Brian Y. Lim**. 2010. Improving trust in context-aware applications with intelligibility. *Proceedings of the 12th ACM international Conference Adjunct Papers on Ubiquitous Computing (Ubicomp '10).*

19. E. Ilana Diamant, **Brian Y. Lim**, Andy Echenique, Gilly Leshed, and Susan R. Fussell. 2009. Supporting intercultural collaboration with dynamic feedback systems: preliminary evidence from a creative design task. *Proceedings of the 27th international Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '09). ACM, New York, NY, 3997-4002.*
20. **Brian Y. Lim**, Aubrey Shick, and Chris Harrison. 2008. Personal-Public Displays: Motivating Behavior Change through Ambient Information and Social Pressure. *CHI 2008 Workshop on Ambient Persuasion.*

Doctoral Thesis

- **Brian Y. Lim**. 2012. Improving Understanding and Trust with Intelligibility in Context-Aware Applications. *Carnegie Mellon University*.

PATENTS

1. RexNet – Relatable Explanation Network. Singapore provisional patent filed (SG Patent Application No. 10202112485R).
2. Debiased-CAM for bias-agnostic faithful visual explanations of deep convolutional networks. Singapore provisional patent filed (SG Patent Application No. 10202012093P), International patent filed (PCT/SG2021/050748).
3. Imma Sort: Interpretable Monotonic Multi-Attribute Sorting. Singapore provisional patent filed (SG Patent Application No. 10202012092U).

SERVICE

Editorial Boards and Program Committees

- Associate Chair, Program Committee, CHI 2019-2023
- Associate Editor, Editorial Board, IMWUT 2019-2020
- PC Member, Program Committee, AAAI 2022-2023
- Senior PC Member, Program Committee, IUI 2019

International Research Advisory Board

- Board member, Advisory Board, German Research Foundation (DFG) Transregional Collaborative Research Center on "Constructing Explainability" (TRR318).

Review Activities

2022 *Associate Chair:* CHI 2023
Program Committee: IUI, AAAI, FAccT, IJCAI-XAI, CD-MAKE
Reviewer: TOCHI, DIS, TiiS
2021 *Associate Chair:* CHI 2022
Program Committee: AAAI, IUI-TExSS, EXTRAAMAS
Reviewer: TOCHI, DIS, CSCW
2020 *Associate Chair:* CHI 2021, *Associate Editor:* IMWUT
Program Committee: Pervasive Health, IUI-ExSS-ATEC, CD-MAKE
Reviewer: Nature Machine Intelligence, Science Advances, Cell iScience, AIJ, TOCHI, UIST
2019 *Associate Chair:* CHI 2020, *Associate Editor:* IMWUT
Reviewer: UIST
2018 *Associate Chair:* CHI 2019
Program Committee: HILDA 2018
Reviewer: IMWUT 2018, UIST 2018, TiiS, IEEE Pervasive
2017 *Senior Program Committee:* IUI 2018, *Program Committee:* HILDA 2017
Reviewer: CHI 2018, Ubicomp 2017, ISWC 2017
2016 *Reviewer:* KDD 2016, ICDM 2016, Ubicomp 2016
2015 *Reviewer:* CHI 2016, Ubicomp 2015, MobileHCI 2015, IEEE SMC 2015, IEEE Pervasive
2014 *Reviewer:* Ubicomp 2014, ChineseCHI 2014, ACEEE Summer Study 2014, ICCE 2014
2013 *Reviewer:* EICS 2013, Pervasive Health 2013, TiiS Journal, CHI 2014
Program Committee: IUI 2013 Workshop on Interactive Machine Learning, AmI 2013
2012 *Reviewer:* Ubicomp 2012, Mobile HCI 2012, UIST 2012, NordiCHI 2012, CSCW 2013, PMC
Program Committee: AmI 2012
2011 *Reviewer:* CHI 2011 work-in-progress, IUI 2012, CHI 2012, CSCW 2012, Ubicomp 2011
2010 *Program committee:* IUI 2011
Reviewer: TiiS Journal, CHI 2010
2009 *Reviewer:* CHI 2009, CSCW 2009
2007 *Reviewer:* Ubicomp 2007

International Organizing Activities

2022 *Workshop organizer:* IUI'22 Workshop on Transparency and Explanations in Smart Systems (TExSS), CHI'22 Workshop on Grand Challenges for Personal Informatics and AI
2021 *Organizing committee:* Publications Co-Chair, Ubicomp
Workshop organizer: IUI'21 Transparency and Explanations in Smart Systems (TExSS)
2020 *Workshop organizer:* IUI'20 Joint Workshop on Explainable Smart Systems for Algorithmic Transparency in Emerging Technologies (ExSS-ATEC)
2019 *Workshop organizer:* IUI'19 Workshop on Explanations in Smart Systems (ExSS), INTERACT'19 Workshop on Humans-in-the-Loop
2018 *Organizing committee:* Local Co-Chair, Ubicomp
Workshop organizer: IUI'18 Workshop on Explanations in Smart Systems (ExSS)
Session chair: IUI 2018
2013 *Session chair:* HCI International 2013
2012 *Workshop organizer:* Pervasive'11 Workshop on Pervasive Intelligibility
2011 *Workshop organizer:* Pervasive'11 Workshop on Pervasive Intelligibility
Student volunteer: CHI 2011
2008 *Student volunteer:* CHI 2008

TEACHING

National University of Singapore

CS4249 Phenomena and Theories in HCI, Instructor	AY2017/18 – Present
CS3249 User Interface Development, Instructor	AY2018/19 – AY2021/22
CS3244 Machine Learning, Co-Instructor	AY2021/22 – Present
CS6206 Advanced Topics in HCI, Instructor	AY2017/18

Carnegie Mellon University

05-630 Programming Usable Interfaces, Teaching Assistant	Spring 2010
05-610 Human-Computer Interaction Methods, Teaching Assistant	Fall 2009

Anderson Junior College

Introduction to Programming (in Java), Co-Instructor	12/2006 – 05/2007

MENTORING

Research fellows

12/20 – Present WANG Yunlong, NUS
10/18 – 11/18 WANG Jiangtao, visiting fellow, Peking University
11/17 – 07/20 LYU Yan, NUS; now Assoc Prof, Southeast University, China
07/17 – 07/19 Homin PARK, NUS; now Scientist, Institute for Infocomm Research, A*STAR, Singapore

PhD students

04/21 – Present Hitoshi MATSUYAMA, Nagoya University; co-supervised with Nobuo Kawaguchi
01/21 – Present TIAN Zhen, NUS
12/18 – 09/20 LU Hangxin, ETH Zurich; co-supervised with Gerhard Schmitt
08/18 – Present ZHAO Xuejun, NUS
08/18 – Present ZHANG Wencan, NUS
NUS Computing Dean's Graduate Research Excellence Award
CHI'22 Best Paper Award
08/18 – Present WANG Gucheng, NUS; co-supervised with Terence SIM
08/17 – Present Sam COX, NUS; co-supervised with OOI Wei Tsang
05/17 – 08/17 Kai LUKOFF, intern, University of Washington
01/17 – Present Ashraf ABDUL, NUS; co-supervised with Mohan KANKANHALLI
NUS Computing Research Achievement Award
08/16 – 09/21 WANG Danding, NUS; now Scientist, Chinese Academy of Sciences (CAS)
02/15 – 10/15 Leye WANG, Institut Mines-Télécom/Télécom SudPais

Master students

01/18 – 01/19 WU I-Shuen, NUS; now Software Engineering, Rakuten, Singapore
01/17 – 05/18 LIU Weilong, NUS; **2019 IMWUT Distinguished Paper Award**
06/18 – 05/19 YANG Zijie, NUS; now PhD student, MSE, NUS
01/17 – 11/17 Abhinav Ramesh KASHYAP, NUS; now PhD student, CS, NUS
06/13 – 05/14 Sainath NAMBIAR, intern, Fraunhofer CSE
10/12 – 03/13 Haritha RAYAKOTA, intern, Fraunhofer CSE

08/12 – 11/12 Erich TUSCH, intern, Fraunhofer CSE
01/10 – 05/10 Kanupriya TAVRI, CMU

Undergraduate students

06/22 – Present Joe Cahaly, intern, MIT
03/22 – Present HUANG Zhiwen, intern, NUS
01/22 – Present SHEN Shuyuan, intern, University of Science and Technology of China (USTC)
08/21 – 04/22 Samuel LIM, honors, NUS
08/21 – 04/22 YANG Huiting, honors, NUS
08/21 – 04/22 TSAI Hsiao-Han, honors, NUS
08/21 – 04/22 CHAN Ger Hean, honors, NUS
06/21 – 08/21 Priyadarshini VENKATESH, intern, University College of London
01/21 – 07/21 LIN Hong, intern, RJC; now undergraduate, CMU
11/20 – 08/21 LIU Jiaying, intern, Peking University
08/20 – 04/21 Chester SNG, honors, NUS
08/20 – 04/21 Adam CHEW, honors, NUS
08/20 – 12/21 Amrut PRABHU, honors, NUS
08/20 – 12/21 LIU Hang, honors, NUS
08/20 – Present LIN Geyu, research assistant, NUS
12/19 – 08/20 ZHANG Yuehan, Huazhong University of Science and Technology (HUST)
08/19 – 04/20 Joanne ONG, honors, NUS
08/19 – 04/20 Ronak LAKHOTIA, honors, NUS
08/19 – 04/20 LI Peng Cheng, honors, NUS
01/19 – 04/19 Bridget SMART, intern, University of Adelaide
01/19 – 04/19 Emily CHEN, intern, MIT
08/18 – 04/19 Chris WANG Ce, honors, NUS
08/18 – 04/19 JIANG Yue, honors, NUS
07/18 – 08/18 CHEN Hanyi, intern, Zhejiang University
06/18 – 09/18 LIU Xu, Southeast University, China
05/18 – 07/18 Sankalp GARG, intern, Indian Institute of Technology Delhi
05/18 – 07/18 Arpan MANGAL, intern, Indian Institute of Technology Delhi
05/18 – 07/18 CHU Jianing, intern, Zhejiang University
05/18 – 08/18 Jordan Schultz-McArdle, intern, Chatham University
12/17 – 05/18 Homanga BHARADHWAJ, intern, Indian Institute of Technology Kanpur; now PhD student at CMU
08/17 – 01/18 WANG Zhengkai, intern, Sun Yat-Sen University
08/17 – 04/18 Sebastian QUEK, honors, NUS
08/17 – 04/18 Timothy WEE, honors, NUS; now PhD student at Yale
08/17 – 04/18 YOU Jing, honors, NUS
08/17 – 04/18 LI Zan, honors, NUS
08/17 – 04/18 Ashley Junke SI, honors, NUS
07/17 – 12/17 REN Wendi, intern, Sun Yet-Sen University
07/17 – 02/18 FAN Ye, intern, Zhejiang University
07/17 – 02/18 LI Boyi, intern, Zhejiang University
05/17 – 08/18 WANG Shuqi, intern, Zhejiang University
01/17 – 04/17 REN Hanfei, intern, Zhejiang University
06/16 – 08/16 HO Songyan, intern, NTU
06/16 – 08/16 LIN Fanshi, intern, NUS
05/16 – 08/16 Martinus ALEXANDER, Simran KHARE, interns, NTU
01/16 – 09/16 Chandrasekaran AKASH, Daniel LAU Yew En, Owen LEONG Song Zhu, Dejoy Shastikk KUMARAN, Darryl CHAN Shi Hau, SOH Jing Ren; Interns, NUS High School
12/15 – 02/16 Ailin LIM, Shi Gen ANG, Melody FONG; Interns, SIM Global Education
08/15 – 04/16 Xinni CHNG, honors, NUS; now UX Designer in Google
NUS Final Year Project Innovation Award finalist
03/08 – 08/08 Andreas MÖLLER, intern, Ludwig-Maximilians Universität München