# Ge "Tiffany" Wang

Postdoctoral Research Fellow, Stanford HAI, Stanford University
Adjunct Assistant Professor in Computer Science, University of Illinois Urbana-Champaign
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## EDUCATION & TRAINING

Postdoc    **Stanford HAI Postdoctoral Fellow, Stanford University, CA, 2024–25**
Stanford Institute for Human-Centered AI
Mentor: Roy Pea, Directors: Fei-Fei Li, John Etchemendy, James Landay

Ph.D.    **Computer Science, University of Oxford, Oxford, 2019–24**
Data Autonomy in the Age of AI: Designing Autonomy-Supportive Data Tools for Children & Families
Supervisors: Sir Nigel Shadbolt, Jun Zhao, Examiners: Victoria Nash, Yvonne Rogers

M.S.    **Information Science, University College London, London, 2017–18**
Towards A More Holistic Approach in Entity Resolution with Active Learning Algorithms
Distinction, Ranked 1st in Class

B.A.    **Physics, University of Oxford, Oxford, 2014–17**
Bachelor of Arts with Honours

## PROFESSIONAL EXPERIENCE

2025–    **Assistant Professor (tenure-track) in Computer Science**
Siebel School of Computing and Data Science, University of Illinois Urbana-Champaign.

2024–25    **Adjunct Assistant Professor in Computer Science**
Siebel School of Computing and Data Science, University of Illinois Urbana-Champaign.

2019–24    **Graduate Student Researcher**
Department of Computer Science, University of Oxford. Other projects involved:
Ethical Web and Data Architecture (Mentor: Sir Tim Berners-Lee, Oxford Martin School)
Autonomy and Technology Project (Mentor: Ekaterina Hertog, Institute for Ethics in AI)

## RESEARCH AREAS

Human-Computer Interaction • Interactive Computing

Human-centered Artificial Intelligence • Responsible Technology

Usable Privacy & Security • Human-Data Interaction

## AWARDS AND HONORS

2024    Best Paper Honourable Mention Award, ACM CHI

2024    Stanford HAI Postdoctoral Fellowship, Stanford University

2023    Best Paper Award, ACM CHI

2023    Best Paper Honourable Mention Award, ACM CHI

2023    Special Recognitions for Outstanding Reviews, ACM CHI

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| 2023 | MPLS Impact Award (shortlist), Oxford |
| 2022 | Best Paper Honourable Mention Award, ACM CSCW |
| 2022 | Impact Recognition Award, ACM CSCW |
| 2022 | Honourable Mention Award, 11th UK Doctoral Researcher Awards (DRA) |
| 2022 | Best Paper Honourable Mention Award, ACM CHI |
| 2022 | Winner of the Student Paper Award of the FPF Privacy Papers for Policymakers |
| 2018 | Best Dissertation Award, UCL |
| 2018 | MSc Award in Information Science, UCL |
| 2014 | Fung Scholarship, Oxford |

## FUNDING

**UKRI Grants to Oxford**
*Equivalent to the NSF in the US*

2024–26 Children's Agency in the Age of AI: Leveraging Interdisciplinarity, CHAILD      £1.2M ($1.5M)
**Co-author** *with Nigel Shadbolt (Oxford CS), Jun Zhao (Oxford CS),
Manolis Mavrikis (UCL Education), Wayne Holmes (UCL Education),
Carina Prunkl (Utrecht Philosophy)*
UKRI CRCRM

## PUBLICATIONS

Top-tier venues in computer science/human-computer interaction research appear at ACM conferences such as CHI and CSCW. They are highly selective venues and intended for archival papers only. These conferences often exceed journals in their selectivity, visibility, and impact. Submissions undergo multiple rounds of review before being accepted for publication. In 2018, CSCW transitioned to a hybrid journal structure and renamed itself Proceedings of the ACM on Human-Computer Interaction. CSCW (PACMHCI: CSCW).
*\* indicates co-first author. † indicates corresponding author.*

**Preprints**

[C2]  **Ge Wang**, Roy Pea. "Critical Algorithmic Literacy for LLM-assisted Decision-making."

[C1]  **Ge Wang**, Roy Pea. "Algorithmic Autonomy in Data-Driven AI."

**Refereed Conference, Journal and PACM (Conference-Journal Hybrid) Papers**

2025 [P21]  **Ge Wang**, Jun Zhao, Max Van Kleek, Roy Pea, Nigel Shadbolt. "FamiData Hub: A Speculative Design Exploration with Families on Smart Home Datafication."
*ACM Conference on Human Factors in Computing Systems (CHI'25).*

2025 [P20]  Lingyuan Li\*, **Ge Wang\***, Guo Freeman. ""It's about Research. It's Not about Language": Understanding and Designing for Mitigating Non-Native English-Speaking Presenters' Challenges in Live Q&A Sessions at Academic Conferences."
*ACM Conference on Human Factors in Computing Systems (CHI'25).*

2025 [P19]  Si Chen, Jingyi Xie, **Ge Wang**, Haizhou Wang, Haocong Cheng, Yun Huang. "From Score-Driven to Value-Sharing: Understanding Chinese Family Use of AI to Support Decision Making of College Applications."
*ACM Conference on Human Factors in Computing Systems (CHI'25).*

| 2025 [P18] | Hayoun Noh, Hyunah Jo, **Ge Wang**, Max Van Kleek, Younah Kang. "Bridging Borders, Breaking Biases: Envisioning Technologies to Support North Korean Defectors in South Korea." *ACM Conference on Human Factors in Computing Systems (CHI'25).* |

| 2025 [P17] | Cara Wilson, Andrew Manches, Ayça Atabey, Uta Hinrichs, Stephen Anthony Brewster, Bernd Ploderer, **Ge Wang**. "Grasping Data: Mapping Out HCI Methods for Children and Young People's Interactions with their Personal Data." *ACM Conference on Human Factors in Computing Systems Extended Abstract (CHI EA'25)* |

| 2024 [P16] | Yumeng Zhu*, **Ge Wang***, Jun Zhao, Yan Li. "'It's like how mom cooks for you, tell her nothing, you only get chicken soup.' : Understanding Children's Perception of Datafication Online in China." doi:10.1080/10447318.2024.2372146 *International Journal of Human–Computer Interaction.* |

| 2024 [P15] | Zhilin Zhang, Jun Zhao, **Ge Wang**, Samantha-Kaye Johnston, George Chalhoub, Diyi Liu, Tala Ross, Claudine Tinsman, Rui Zhao, Max Van Kleek, and Nigel Shadbolt. "Trouble in Paradise? Understanding Mastodon Admin's Motivations, Experiences, and Challenges Running Decentralised Social Media." doi:10.1145/3687059 *Proceedings of the ACM: Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing. PACMHCI: CSCW. (CSCW'24).* |

| 2024 [P14] | **Ge Wang**, Jun Zhao, Samantha-Kaye Johnston, Zhilin Zhang, Max Van Kleek, and Nigel Shadbolt. "CHAITok: A Proof-of-Concept System Supporting Children's Sense of Data Autonomy on Social Media." doi:10.1145/3613904.3642294 *ACM Conference on Human Factors in Computing Systems (CHI'24).* 🎗 <span style="color:red">**Best Paper Honourable Mention Award**</span> |

| 2024 [P13] | **Ge Wang**, Jun Zhao, Konrad Kollnig, Adrien Zier, Blanche Duron, Zhilin Zhang, Max Van Kleek, and Nigel Shadbolt. "KOALA Hero Toolkit: A New Approach to Mobile Datafication Risks for Families." doi:10.1145/3613904.3642283 *ACM Conference on Human Factors in Computing Systems (CHI'24).* |

| 2024 [P12] | Ayça Atabey, **Ge Wang**†, Samantha-Kaye Johnston, Grace C Lin, Cara Wilson, Lachlan Urquhart, Jun Zhao. "The Second ACM CHI Workshop on Child-Centred AI Design (CCAI)." doi:10.1145/3613905.3636305 *ACM Conference on Human Factors in Computing Systems Extended Abstract (CHI EA'24).* |

| 2024 [P11] | **Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt. "Challenges and Opportunities in Translating AI Principles into Practice for Children." doi:10.1038/s42256-024-00805-x *Nature Machine Intelligence.* |

| 2023 [P10] | **Ge Wang**, Kaiwen Sun, Ayça Atabey, Zhen Bai, Grace C Lin, Jason C Yip, Jun Zhao. "Special Issue on Child-Centred AI: A Special Issue Proposal for International Journal of Human–Computer Studies." *International Journal of Human-Computer Studies (IJHCS).* |

| 2023 [P9] | **Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt. "Treat me as your friend, not a number in your database: Co-designing with Children to Cope with Datafication Online." doi:10.1145/3544548.3580933 *ACM Conference on Human Factors in Computing Systems (CHI'23).* 🏆 <span style="color:red">**Best Paper Award**</span> |

2023
[P8]
**Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt. "12 Ways to Empower: Designing for Children's Digital Autonomy." doi:10.1145/3544548.3580935
*ACM Conference on Human Factors in Computing Systems (CHI'23).*
🎗 <span style="color:red">**Best Paper Honourable Mention**</span>

2023
[P7]
**Ge Wang**, Kaiwen Sun, Ayça Atabey, Kruakae Pothong, Grace C Lin, Jun Zhao, Jason C Yip. "Child-Centred AI Design: Definition, Operation, and Considerations." doi:10.1145/3544549.3573821
*ACM Conference on Human Factors in Computing Systems Extended Abstract (CHI EA'23).*

2022
[P6]
Jun Zhao, Blanche Duron, **Ge Wang**. "KOALA Hero: Inform Children of Privacy Risks of Mobile Apps." doi:10.1145/3501712.3535278
*ACM Conference on Interaction Design and Children Extended Abstract (IDC EA'22).*

2022
[P5]
**Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt. " 'Don't make assumptions about me!': Understanding Children's Perception of Datafication Online." doi:10.1145/3555144
*Proceedings of the ACM: Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing. PACMHCI: CSCW. (CSCW'22)*
🎗 <span style="color:red">**Best Paper Honourable Mention Award**</span> 🎗 <span style="color:red">**Impact Recognition Award**</span>

2022
[P4]
**Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt. "Informing Age-Appropriate AI: Examining Principles and Practices of AI for Children." doi:10.1145/3491102.3502057
*ACM Conference on Human Factors in Computing Systems (CHI'22).*
🎗 <span style="color:red">**Best Paper Honourable Mention Award**</span> 🎗 <span style="color:red">**UK Doctoral Researcher Award, Honourable Mention**</span>

2021
[P3]
**Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt. "Protection or Punishment? Relating the Design Space of Parental Control Apps and Perceptions about Them to Support Parenting for Online Safety." doi:10.1145/3476084
*Proceedings of the ACM: Human-Computer Interaction, Computer-Supported Cooperative Work and Social Computing. PACMHCI: CSCW. (CSCW'21)*

2021
[P2]
Konrad Kollnig, Reuben Binns, Pierre Dewitte, Max Van Kleek, **Ge Wang**, Daniel Omeiza, Helena Webb, Nigel Shadbolt. "A Fait Accompli? An Empirical Study into the Absence of Consent to Third Party Tracking in Android Apps." doi:10.5555/3563572.3563582
*Symposium on Usable Privacy and Security (SOUPS'21).*
🎗 <span style="color:red">**Student Paper Award**</span>

2019
[P1]
Jun Zhao, **Ge Wang**, Carys Dally, Petr Slovak, Julian Edbrooke-Childs, Max Van Kleek, and Nigel Shadbolt. "'I make up a silly name': Understanding Children's Perception of Privacy Risks Online." doi:10.1145/3290605.3300336
*ACM Conference on Human Factors in Computing Systems (CHI'19).*

## Refereed Workshop Papers, Posters, and Demos (Lightly Peer-reviewed)

2022
[W3]
**Ge Wang**, Jun Zhao, Max Van Kleek, and Nigel Shadbolt.
"Unpacking Parental Control Apps for Online Safety."
*Symposium on Usable Privacy and Security (SOUPS) Poster.*

2022
[W3]
**Ge Wang**, Jun Zhao.
"What They Say and What They Do: The Need to Unpack the Datafication Practices in Children's Recommendations."
*IDC KidRec Workshop.*

| 2022 | **Ge Wang**, Jun Zhao. |
|---|---|
| [W3] | "Ethical Considerations on Positioning the Normative Stance when working with Children." |
| | *IDC Ethical Considerations of Distributed Participatory Design with Children Workshop.* |

**Reports and Other Publications**

| 2023 | **Ge Wang**, Kaiwen Sun, Ayça Atabey, Kruakae Pothong, Grace C Lin, Jason C Yip, Jun Zhao, Beeban |
|---|---|
| [R5] | Kidron and all CCAI 2023 workshop participants. |
| | "Hamburg Declaration: Towards a Child-Centered AI Future." |

| 2022 | Jun Zhao, **Ge Wang**. |
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| [R4] | "Response to public consultation for the Online Safety Bill By the UK Parliament." |

| 2021 | **Ge Wang**, Jun Zhao, and Nigel Shadbolt. |
|---|---|
| [R3] | "Datafied Childhood: How Children Perceive Datafication Risks Around Them." |
| | *KOALA Project Report.* |

| 2019 | **Ge Wang**, Jun Zhao, and Nigel Shadbolt. |
|---|---|
| [R2] | "What concerns do Chinese parents have about their children's digital adoption and how to better |
| | support them?" |
| | *KOALA Project Report.* |

| 2019 | **Ge Wang**, Jun Zhao, and Nigel Shadbolt. |
|---|---|
| [R1] | "Are Children Fully Aware of Online Privacy Risks and How Can We Improve Their Coping Ability?" |
| | *KOALA Project Report.* |

**Thesis and Dissertation**

| 2023 | **Ge Wang**. |
|---|---|
| [T2] | "Data Autonomy in Age of AI: Designing Autonomy-Supportive Data Tools for Children & Families." |
| | *D.Phil Thesis, Oxford Computer Science.* |

| 2018 | **Ge Wang**. |
|---|---|
| [T1] | "Towards A More Holistic Approach in Entity Resolution with Active Learning Algorithms." |
| | *MSc Dissertation, UCL Information Science.* |
| | **🏅 UCL Best Dissertation Award** |

## SERVICE

**Grant Review Panels**

Grant Review Panel, NSF

Grant Review Panel, Stanford HAI, GenAI Seed Grant

**Programme Committees**

Program Committee, *IDC* 2025

Program Committee, *ISLS* 2025

Program Committee, *ACM CHI Late-Breaking Work (LBW)* 2025

Program Committee, *ACM CSCW* 2024

Program Committee, *ACM FAccT* 2024

Program Committee, *ACM CHI Late-Breaking Work (LBW)* 2024

Program Committee, Contact Organiser, *ACM CHI Workshop on Child-Centred AI* 2024

Lead Author on Special Issue Proposal, *IJHCS Special Issue on Child-Centred AI* 2024

Program Committee, *ACM CSCW Posters* 2023

Program Committee, Lead Organiser, *ACM CHI Workshop on Child-Centred AI* 2023

Program Committee, *ACM CHI Late-Breaking Work (LBW)* 2023

Assistant Workflow Chair, *ACM IJCAI* 2023

**Operations Committees**

Session Chair, Children and Family A, *ACM CHI* 2024

Student Volunteer, *ACM CHI* 2023

Student Volunteer, *ACM CHI PLAY* 2023

Student Volunteer, *ACM SOUPS* 2022

Student Volunteer, *ACM CSCW* 2022

Student Volunteer, *ACM CHI* 2022

Organising Committee, *Oxford HCC Symposium* 2021

**Paper Reviewing**

*ISLS 25*

*Nature Machine Intelligence*

*NordiCHI 25*

*Family Relations*

*International Journal of Human-Computer Studies*

*Interacting with Computers*

*CHI 19, 20, 21, 22, 23, 24* 🎗 **Special Recognitions for Outstanding Reviews**

*CSCW 19, 20, 21, 22, 23, 24*

*CHI PLAY 22, 23*

*IDC 22, 23*

## COURSES TAUGHT

**University of Oxford, Department of Computer Science**

**Undergraduate Course: Requirements.**
*Class Tutor.* Independent teaching. Conducted weekly tutorials, fostering in-depth discussions among a small group of students on the week's readings or problems. Monitor students' progress closely and crafted personalised learning plans for every tutee. **Nominated for Teaching Award**

**Undergraduate Course: Ethical Computing in Practice.**
*Class Tutor.* Independent teaching. Designed and executed an 8-week class curriculum including the course material and worksheets, complementing the main lecture content.

**Postgraduate Course: Requirements in Computing.**
*Teaching Assistant.* Oversaw lecture slides, group discussions, assignments, exams, and final projects.

**University of Oxford, Department of Engineering**

**Postgraduate Course: Interaction Design.**
*Teaching Assistant.* Oversaw lecture slides, group discussions, assignments, exams, and final projects.

## STUDENTS MENTORED

Zhilin Zhang, PhD student (Department of Computer Science, University of Oxford)
First Year Graduate Term Paper.
*2 Accepted papers at CHI'24, 1 Accepted paper CSCW'24*

Yumeng Zhu, PhD student (Department of Education, Zhejiang University)
Visiting Student Project.
*1 Accepted paper at IJHCI*

Sydney Charitos, PhD student (School of Engineering Mathematics and Technology, University of Bristol)
EWADA Project Summer Internship.

Lily Sowden, Undergraduate student (Department of Computer Science, University of Oxford)
Final Year Student Project.

Adrien Zier, Master student at (Department of Computer Science, University of Edinburgh)
EWADA Project Summer Internship.
*1 Accepted paper at CHI'24*

Sian Saul, Undergraduate student (Department of Computer Science, University of Oxford)
Final Year Student Project.

Blanche Duron, Master student (School of Communication Systems, EPFL)
KOALA Project Summer Internship.
*1 Accepted paper at CHI'24*

CS Undergraduate Group Design Mentor, University of Oxford.

## INVITED TALKS AND MEDIA COVERAGE

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| 2025/03 | Invited Talk at Symposium on Child-AI Interaction in the Era of Foundation Models, 2025 AAAI Spring Symposium Series. |
| 2024/06 | Interview with The Atlantic on AI and children. |
| 2024/04 | Interview with Hello Future to discuss an article on ethical AI principles for children. |
| 2024/04 | Job Talk at University of Illinois Urbana-Champaign, Department of Computer Science. |
| 2024/03 | Coverage of the Nature Machine Intelligence Paper as reported on Oxford University's website. |
| 2024/03 | Job Talk at Carnegie Mellon University, Human-Computer Interaction Institute, and Department of Engineering and Public Policy. |
| 2024/03 | Job Talk at Max Planck Institute for Software Systems. |
| 2024/02 | Job Talk at Georgia Institute of Technology, School of Literature, Media and Communication. |
| 2024/01 | Interview with El Pais to discuss an article on datafication and parental control apps. |
| 2023/06 | Oxford Inspired Research Newsletter (Summer 2023, Issue 23) |
| 2023/05 | Invited Talk on Child-Centred AI: Design and Considerations. Carnegie Mellon University. |
| 2023/04 | Opening Speech on Child-Centred AI: Design and Considerations. ACM CHI CCAI Workshop. |
| 2022/08 | Invited Talk on Designing for Families' Data in the Age of AI. MIT. |

| 2022/07 | Invited Talk on Age-Appropriate AI: Gaps, Challenges and What May Future Look Like. Oxford MPLS Science Together Forum. |
| 2022/04 | Invited Talk on Age-Appropriate AI: Gaps, Challenges and What May Future Look Like. Venice Colloquium. |
| 2022/03 | Invited Talk on Better Internet Safety for Kids. Oxford Science and Ideas Festival. |
| 2022/02 | Led a 6-week app development workshop for underprivileged youth, culminating in the creation of a prototype app for their local youth centre. Leys-Oxford App Club. |
| 2022 | In a report by the US Federal Trade Commission (FILED 11/17/2022 OSCAR NO 606208), our research has been cited to support their call for attention to support younger children and tackle the misplaced emphasis on relying on parents to safeguard children at all times. |
| 2020 | In a report published by the Office of the Australian Information Commissioner, our research has been cited to support their call for attention on privacy risks and harms for children. |
| 2020/12 | Oxford Inspired Research Newsletter (Winter 2020, Issue 17). |
| 2019 | In a 2019 report published by the Council of Europe, our research has been cited to support their call for new children's data protection in education system. |

## REFERENCES

**Sir Nigel Shadbolt** (doctoral supervisor, PI)
Professor of Computing, Theme Head of Human Centred Computing, Principal of Jesus College
University of Oxford
nigel.shadbolt@cs.ox.ac.uk

**Sir Tim Berners-Lee** (PI)
Professor of Computing, Inventor of World Wide Web
University of Oxford, MIT
cos@timbl.com

**Jun Zhao** (doctoral supervisor)
Senior Research Fellow of Computing
University of Oxford
jun.zhao@cs.ox.ac.uk

**Roy Pea** (postdoc mentor)
David Jack Professor of Learning Sciences and Education, and Computer Science (Courtesy)
Stanford University
roypea@stanford.edu

**Max Van Kleek**
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