Jiamin (Carrie) Dai

POSTDOCTORAL FELLOW, DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF BRITISH COLUMBIA

Human-Computer Interaction | Accessibility | Aging and Dementia | Social Computing

📞 (514) 756-4580 | ✉ jdai24@cs.ubc.ca | 🏠 jiamin-dai.github.io

Current Academic Position

Department of Computer Science, University of British Columbia   *Vancouver, Canada*
POSTDOCTORAL RESEARCH FELLOW, SUPERVISOR: DR JOANNA MCGRENERE   *Jul 2023 –*

Education

McGill University   *Montreal, Canada*
PHD IN INFORMATION STUDIES, SUPERVISOR: DR KARYN MOFFATT   *May 2023*
Dissertation: Enriching Social Sharing for the Dementia Community: Technological Opportunities

McGill University   *Montreal, Canada*
MASTER OF INFORMATION STUDIES (MISt)   *May 2017*

Shanghai International Studies University   *Shanghai, China*
B.Sc. IN EDUCATIONAL TECHNOLOGY   *Jun 2005*

Awards

GRANTS, FELLOWSHIPS, & SCHOLARSHIPS

- 2024–26: **2024 AgeTech Advance: Healthy Aging Canada Research Program (HARP)**, Co-Applicant
  PI: Dr Joanna McGrenere, Co-PI: Dr Vered Shwartz, CAD88,124
- 2023–25: **Natural Sciences and Engineering Research Council of Canada (NSERC)**, Postdoctoral fellowship, CAD110,833
  NSERC nominee for the Alice Wilson Award as highest scoring women fellows pursuing their research in Canada
- 2023–24: **Early Professionals, Inspired Careers in AgeTech (EPIC-AT)**, AGE-WELL and CIHR postdoctoral fellowship, CAD16,000
- 2022: **Mitacs Accelerate Internship**, in partnership with the Bank of Canada, CAD15,000
- 2021–22: **Wolfe Chair in Scientific and Technological Literacy**, McGill Faculty of Arts doctoral dissertation fellowship, CAD7,500
- 2019–22: **Fonds de recherche du Québec – Nature et technologies (FRQNT)**, Provincial doctoral research scholarship, CAD70,000
- 2018–19: **McGill Graduate Excellence Award**, CAD8,000
- 2017–18: **McGill McCall McBain Fellowship**, CAD16,000

TRAVELS & IMPACTS

- 2025: **UBC Postdoctoral Fellows Travel Awards**, CAD2,000
- 2020: **McGill School of Information Studies Travel Awards**, CAD1,000
- 2019: **ACM SIGACCESS ASSETS'19 Doctoral Consortium Travel Grants**, USD2,000
- 2019: **Volunteer of the Year**, Alzheimer Society of Montreal
- 2018: **People's Choice Award and Summer Institute Pitch Award**, AGE-WELL National Impact Challenge

Experience

Microsoft Research *Virtual*
COLLABORATOR, WITH DRS KORI INKPEN, JOHN TANG, & EDWARD CUTRELL *Jun 2024 –*

Department of Electrical and Computer Engineering, McGill University *Montreal, Canada*
COLLABORATOR, WITH DR JEREMY R. COOPERSTOCK *Jan – Jun 2023*

Bank of Canada *Virtual*
MITACS INTERN (JAN – MAY 2022) / CONSULTANT (OCT 2022 – JUN 2023) *Jan 2022 – Jun 2023*

Department of Computer Science, University of Toronto *Virtual*
COLLABORATOR, WITH DR KHAI N. TRUONG *Jun – Dec 2021*

Department of Family Medicine, McGill University *Montreal, Canada*
COLLABORATOR / RESEARCH ASSISTANT, WITH DR PIERRE PLUYE *May 2018 – Dec 2021*

National Research Council Canada *Montreal, Canada*
MASTER'S PRACTICUM, WITH DR DAVID LI TANG *Jan – Apr 2017*

School of Information Studies (SIS), McGill University *Montreal, Canada*
RESEARCH ASSISTANT, WITH DRS KARYN MOFFATT & TACIANA PONTUAL FALCÃO *2016 – 2017*

Visas Consulting Group (Shanghai) *Shanghai, China*
ACCOUNT MANAGER / SENIOR CONSULTANT *2005 – 2013*

Publications

RIGOROUSLY-REVIEWED CONFERENCE PROCEEDINGS

The premier conferences in human-computer interaction, such as ACM CHI, are highly competitive and more impactful than journals.

- [C13] Haque, I., **Dai, J.**, and McGrenere, J. (2025). Envisioning interventions to combat misinformation propagation on social media: Insights from older adults' approaches to credibility assessment. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW409 (November 2025), 37 pages. doi: 10.1145/3757590

- [C12] Tanprasert, T., **Dai, J.**, Tang, J., Inkpen, K., Cutrell, E., and McGrenere, J. (2025). FamilyDittos: Reimagining intergenerational interaction through mimetic agents. *Proc. ACM Hum.-Comput. Interact.* 9, 7, Article CSCW419 (November 2025), 31 pages. doi: 10.1145/3757600

- [C11] **Dai, J.** and McGrenere, J. (2025). Envisioning financial technology support for older adults through cognitive and life transitions. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'25), 24 pages. doi: 10.1145/3706598.3713427 (Acceptance rate = 1249/5020 = 24.9%)

- [C10] Smith, K., Sien, S-W., **Dai, J.**, and McGrenere, J. (2025). Touching experiences: How older adults envision ambient and tangible social technology through the lens of time. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'25), 24 pages. doi: 10.1145/3706598.3714302

- [C9] Liu, Z., **Dai, J.**, Conati, C., and McGrenere, J. (2025). Envisioning AI support during semi-structured interviews across the expertise spectrum. *Proc. ACM Hum.-Comput. Interact. 9*, 2, Article CSCW011 (April 2025), 29 pages. doi: 10.1145/3710909

- [C8] Tanprasert, T., **Dai, J.**, and McGrenere, J. (2024). HelpCall: Designing informal technology assistance for older adults via videoconferencing. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'24), 1–23. doi: 10.1145/3613904.3642938 (Acceptance rate = 1060/4028 = 26.3%)

- [C7] Marino, D., **Dai, J.**, Fortin, P., Henry, M., and Cooperstock, J. (2024). Co-Here: An expressive videoconferencing module for implicit affective interaction. *Proceedings of the Graphics Interface Conference* (GI'24), 1–13. doi: 10.1145/3670947.3670975
- [C6] **Dai, J.**, Miedema, J., Hernandez, S., Sutton-Lalani, A., and Moffatt, K. (2023). Cognitive accessibility of digital payments: A literature review. *Proceedings of 20th International Web for All Conference* (W4A'23), 116–121. doi: 10.1145/3587281.3587294 **Best Communication Paper Nominee**
- [C5] Fontana de Vargas, M., **Dai, J.**, and Moffatt, K. (2022). AAC with automated vocabulary from photographs: Insights from school and speech-language therapy settings. *Proceedings of the ACM SIGACCESS Conference on Computers and Accessibility* (ASSETS'22), 1-18. doi: 10.1145/3517428.3544805 (Acceptance rate = 35/132 = 26.5%) **Best Student Paper & Best Artifact Award**
- [C4] **Dai, J.**, Moffatt, K., Lin, J., and Truong, K. (2022). Designing for relational maintenance: New directions for AAC research. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'22), 1-15. doi: 10.1145/3491102.3502011 (Accepted with minor revision = 324/2597 = 12.5%)
- [C3] **Dai, J.** and Moffatt, K. (2021). Surfacing the voices of people with dementia: Strategies for effective inclusion of proxy stakeholders in qualitative research. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'21), 1-13. doi: 10.1145/3411764.3445756 (Acceptance rate = 749/2844 = 26.3%)
- [C2] Pang, C., Wang, Z. C., McGrenere, J., Leung, R., **Dai, J.**, and Moffatt, K. (2021). Technology adoption and learning preferences for older adults: Evolving perceptions, ongoing challenges, and emerging design opportunities. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'21), 1-13. doi: 10.1145/3411764.3445702
- [C1] **Dai, J.** and Moffatt, K. (2020). Making space for social sharing: Insights from a community-based social group for people with dementia. *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (CHI'20), 1-13. doi: 10.1145/3313831.3376133 (Acceptance rate = 647/3126 = 20.7%)

Journal Articles

- [J6] **Dai, J.** (2025). Library services for dementia – a Canadian case study. *Australian Journal of Dementia Care, 14*(3), 32–33.
- [J5] Fontana de Vargas, M., **Dai, J.**, and Moffatt, K. (2024). AAC with automated vocabulary from photographs: Insights from school and speech-language therapy settings. *Commun. ACM 68,* 1 (January 2025), 89–96. doi: 10.1145/3623505. Reprint of [C5] as a CACM Research Highlight.
- [J4] **Dai, J.** and Moffatt, K. (2023). Enriching social sharing for the dementia community: Insights from in-person and online social programs. *ACM Transactions on Accessible Computing (TACCESS), 16*(1), Article 11 (March 2023), 33 pages. doi: 10.1145/3582558
- [J3] **Dai, J.**, Bartlett, J. C., and Moffatt, K. (2023). Library services enriching community engagement for dementia care: The Tales & Travels Program at a Canadian Public Library as a case study. *Journal of Librarianship and Information Science, 55*(1), 123–136. doi: 10.1177/09610006211065170
- [J2] **Dai, J.** (2020). Empowering people with dementia to share and socialize. *ACM SIGACCESS Accessibility and Computing* (126), Article 3. doi: 10.1145/3386280.3386283
- [J1] **Dai, J.**, Granikov, V., El Sherif, R., Grguric, E., Turcotte, E., and Pluye, P. (2019). Patient Information Aid: An innovative educational program to improve outcomes of online consumer health information. *Education for Information, 35*(1), 41-49. doi:10.3233/EFI-180215

Workshop Proposal & White Paper

- [W3] Chow, K., Sien, S-W, Chaudhury, R., Chilana, P., and **Dai, J.** (2025). Conducting and evaluating reflexive thematic analysis in HCI. *The Graphics Interface Conference* (GI '25), courses and workshops, 4 pages.
- [W2] **Dai, J.**, Gorman, B. M., Tigwell, G. W., Lyhme, H., Barros Pena, B., Moffatt, K., and Latulipe, C. (2024). accessFinTech: Designing accessible financial technology. *The 26th International ACM SIGACCESS Conference on Computers and Accessibility* (ASSETS '24), 5 pages. doi: 10.1145/3663548.3688551
- [W1] Sutton-Lalani, A., Hernandez, S., Miedema, J., **Dai, J.**, and Omrane, B. (2023). Redefining financial inclusion for a digital age: Implications for a Central Bank Digital Currency. *Bank of Canada Staff Discussion Paper*, 23 pages. doi: 10.34989/sdp-2023-22

Selected Workshop Abstracts

- [A3] **Dai, J.** (2025). Towards an ecosystem of social fintech support: An HCI researcher's reflection. *ACM SIGCHI Conference on Human Factors in Computing Systems*, CHI'25 Workshop, Future of Money and HCI
- [A2] **Dai, J.** and Moffatt, K. (2020). Using proxies in supporting the voice of people with dementia in HCI research. *ACM SIGCHI Conference on Human Factors in Computing Systems*, CHI'20 Workshop, Rethinking Notions of Giving Voice in Design
- [A1] **Dai, J.** and Moffatt, K. (2018). Beyond communication and social interaction: A review on designing for people with dementia. *ACM SIGCHI Conference on Human Factors in Computing Systems*, CHI'18 Workshop, HCIxDementia

Teaching

GUEST LECTURES

- Winter 2025, **Designing for Financial, Technological, and Social Inclusion**, UBC Department of Computer Science, CPSC444 Advanced Methods for Human-Computer Interaction
- Fall 2021 & 2022, **HCI Fieldwork in Sensitive Settings: My Experiences & Reflections**, McGill Department of Electrical and Computer Engineering, ECSE424/542 Human-Computer Interaction
- Fall 2020 & 2021, **A Usability Test of an Online Catalogue with Older Adults**, McGill SIS, GLIS626 Usability Analysis & Assessment
- Winter 2021, **User-Centered Design in the Real World: Developing the Online Health Information Aid Website**, McGill SIS, GLIS627 User-Centered Design
- Winter 2020, **Proposals & Scholarship Applications: My Experience**, McGill SIS, GLIS704 Research Design in Information Studies
- Winter & Fall 2019, **Real-Life Information Architecture, Usability Analysis, and User-Centered Design**, McGill SIS, GLIS626 Usability Analysis & Assessment

INVITED TALKS

- Jun 2025, **Designing Inclusive Technologies for Social, Financial, and Digital Engagement**, Visual & Interactive Computing Institute, VINCI Seminar, Simon Fraser University
- Apr 2025, **Innovating Interactive Systems for Social, Financial, and Digital Inclusion**, Department of Computer Science, University of Victoria
- May 2024, **Designing Cognitively Accessible Financial Technology to Support Older Adults**, AGE-WELL EPIC Conference 2024, Financial Wellness & Employment Session
- Apr 2021, **Making Space for Social Sharing: Insights from a Community-Based Social Group for People with Dementia**, EdTeKLA Research Group, Department of Computing Science, University of Alberta

TEACHING ASSISTANT

- Winter 2021, McGill SIS, **GLIS691 Computer Programming for Information Professionals**, Instructor: Dr Karyn Moffatt
- Fall 2018, McGill SIS, **GLIS679 Information Literacy**, Instructor: Dr Joan Bartlett

INSTRUCTIONAL DEVELOPMENT

- 2025, **Faculty Instructional Skills Workshop** (24 hours across four days), UBC Centre for Teaching, Learning and Technology
- 2017 & 2018, **Learning to Teach Day**, McGill Teaching and Learning Services

COMMUNITY OUTREACH

- Aug 2020, **Introducing the Online Health Information Aid Website**, Zoom Talks, Internet Peer Cafe, Atwater Library and Computer Centre CONNECT Project
- Nov 2019, **Inspirations and Resources: A Conversation on Technologies for Promoting Social Interaction in Dementia Care**, Workshop, Alzheimer Society Colloquium on Innovations & Assistive Technologies in Dementia Care
- Oct 2019, **Empowering People with Dementia to Socialize**, Huddol Webinar
- Oct & Nov 2018, **Technology for Everyone: Designing for Aging and Dementia**, Alzheimer's Cafe Talks

Mentoring

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF BRITISH COLUMBIA

- PhD students: Teerapaun (Mui) Tanprasert and Zhe Liu (2023–)
- MSc students: Ishita Haque (2023–24) and Kersten Smith (visiting from Université Paris-Saclay, 2024)
- MSc research assistant: Zhuozhuo (Joy) Liu (2025)
- Undergraduate research assistants: Daphne Tian (Cognitive Systems, 2025) and Manushree Singhania (2024)

SCHOOL OF INFORMATION STUDIES, MCGILL UNIVERSITY

- Master's research assistant: Diane Hsueh (2023)
- Undergraduate student: Charlene Yin (Cognitive Science, 2023)

CONFERENCE MENTORING PROGRAM
- MSc student: Shurui Wang (Computer Science, University College London), first-time author for ASSETS'23

Service

PROGRAM COMMITTEE
- **CHI'24 & '26, Associate Chair**, Accessibility and Aging Subcommittee, **1 Special Recognition for Outstanding Reviews** ('24)
- **ASSETS'24, Program Committee Member**

PAPER REVIEW
- **CHI**: 12 full papers ('21 '22 '23 '25), 2 late-breaking works ('20 '23), **1 Special Recognition for Outstanding Reviews** ('23, full paper)
- **CSCW**: 3 full papers ('20 '25)
- **TACCESS**: 1 manuscript ('23)
- **International Conference on Communities & Technologies (C&T)**: 1 long paper ('25)
- **Dementia Lab Conference**: 1 academic paper ('22)

GRANT REVIEW
- **Canada Foundation for Innovation** (CFI) JELF Matching Fund: 1 application ('25)
- **Mitacs Accelerate Program**: 2 research proposals ('23 '25)

COMMITTEES
- International: **CHI Review Working Group, Expert Panelist**, invited by the CHI Steering Committee, 2025
- Inter-university: **Organizing Committee Member**, UBC-UVic Hackathon: Vis4All, Feb 2024
- National: **Quebec Representative**, AGE-WELL Highly Qualified Personnel (HQP) Advisory Committee, 2018–19
- Departmental: **PhD Representative**, McGill SIS Curriculum Committee, 2017–18
- Departmental: **Executive Member**, Association for Information Science & Technology (ASIS&T) McGill Chapter, 2017–18
- Departmental: **Executive Member**, Québec Library Association (ABQLA) McGill Chapter, 2015–17

SCHOLARLY VOLUNTEERING
- Panelist, **Thesis Finishers' Roundtable** (Apr 2024) and **Thesis Plus Roundtable** (Aug 2022), McGill Writing Centre
- Contributor, **SSHRC Focus Group** on barriers to accessibility in programs and services, Nov 2022
- Accessibility Support Volunteer, **CHI'21** & Assistance to the Accessibility Chairs, **CHI'20**
- Student Volunteer, **CSCW'20, CHI'18, WWW'16**

COMMUNITY VOLUNTEERING
- Registered Volunteer, **Alzheimer Society of British Columbia**, 2023–
- Registered Volunteer, **Alzheimer Society of Montreal**, including Tales & Travels Series at the Westmount Public Library, 2018–21
- Circulation Desk Volunteer, **Atwater Library and Computer Centre**, 2016–17
- Volunteer Guide & Cataloguer, **Château Ramezay Museum**, 2015–18