

## Skyler Wang

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### Appointment

#### McGill University

2024- Assistant Professor, Department of Sociology

#### AI Singapore & National University of Singapore

2024 Visiting Professor

#### Meta

2022- AI Researcher, Sociologist, Foundational AI Research (FAIR)

### Education

#### University of California, Berkeley

2023 Ph.D., Sociology

Committee: Marion Fourcade (chair), Ann Swidler, Eliza Brown, Cal Morrill

2018 M.A., Sociology

#### University of British Columbia

2016 B.A., Sociology (Honors), Minor in Visual Arts

### Research Interests

AI, Technology, Human-Computer Interaction, Economic Sociology, Gender & Sexuality

### Refereed Articles

**Wang, Skyler.** 2024. "[How Platform Exchange and Safeguards Matter: The Case of Sexual Risk in Airbnb and Couchsurfing.](#)" *Proceedings of the 27th Annual ACM Conference on Computer Supported Cooperative Work & Social Computing.*, 8, CSCW1, Article 204 (April 2024), 23 pages.

Babcock, Nikole, Jose Zarate, **Skyler Wang**, Shannon D. Snapp, Ryan J. Watson, and Lisa A. Eaton. 2024. "[How LGBTQ+ Young Adults Navigate Personal Risk in App-Based Hookups: The Safety Spectrum Theory.](#)" *Archives of Sexual Behavior*. Online first.

NLLB Team, Marta R. Costa-jussà,\* James Cross,\* Onur Çelebi,\* Maha Elbayad,\* Kenneth Heafield,\* Kevin Heffernan,\* Elahe Kalbassi,\* Janice Lam,\* Daniel Licht,\* Jean Maillard,\* Anna Sun,\* **Skyler Wang**,\* Guillaume Wenzek,\* Al Youngblood,\* Bapi Akula, Loic Barrault, Gabriel Meja Gonzalez, Prangthip Hansanti, John Hoffman, Semarley Jarrett, Kaushik Ram Sadagopan, Dirk Rowe, Shannon Spruit, Chau Tran, Pierre Andrews, Necip Fazil Ayan, Shruti Bhosale, Sergey Edunov, Angela Fan, Cynthia Gao, Vedanuj Goswami, Francisco Guzmán, Philipp Koehn, Alexandre Mourachko, Christophe Ropers, Safiyyah Saleem, Holger Schwenk, and Jeff Wang. 2024. "[No Language Left Behind: Scaling Human-Centered Machine Translation.](#)" Forthcoming in *Nature*. (\*equal authorship)

🔗 *Select media coverage: The Verge, Quartz, CNET, TechCrunch, Axios, Engadget*

Rust, Phillip, Bowen Shi, **Skyler Wang**, Necati Cihan Camgöz, and Jean Maillard. 2024. "[Towards Privacy-Aware Sign Language Translation at Scale.](#)" Forthcoming in *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics*.

Yong, Zheng-Xin, Ruochen Zhang, Jessica Zosa Forde, **Skyler Wang**, Samuel Cahyawijaya, Holy Lovenia, Genta Indra Winata, Lintang Sutawika, Jan Christian Blaise Cruz, Long Phan,

Yin Lin Tan, and Alham Fikri Aji. 2023. “Prompting Multilingual Large Language Models to Generate Code-Mixed Texts: The Case of South East Asian Languages.” *Proceedings of the Sixth Workshop on Computational Approaches to Linguistic Code-Switching*, pp. 43–63. Association for Computational Linguistics.

✍. *Media coverage: WIRED*

Mukherjee, Meghna,\* Margaret Eby,\* **Skyler Wang**,\* Armando Lara-Millán, and Maya Earle. 2022. “Medicalizing Risk: How Experts and Consumers Manage Uncertainty in Direct-to-Consumer Genetic Health Testing.” *PLOS One* 17(8):1-20. (\*equal authorship)

**Wang, Skyler**. 2022. “Migrant Allies & Sexual Remittances: How International Students Change the Sexual Attitudes of Those Who Remain Behind.” *Sociological Perspectives* 65(2):328–349.

Watson, Ryan J., Shannon D. Snapp,\* and **Skyler Wang**,\* 2017. “What We Know and Where We Go from here: A Review of Lesbian, Gay, and Bisexual Youth Hookup Literature.” *Sex Roles* 77(11-12):801-811. (\*equal authorship)

*Articles under Review*

**Wang, Skyler**. “Couch with Strings Attached: Reciprocal Positions in Relational Work.” (revise and resubmit at *American Sociological Review*)

**Wang, Skyler**,\* Ned Cooper,\* Margaret Eby, and Eun Seo Jo. “From Human-Centered to Social-Centered Artificial Intelligence: Assessing ChatGPT’s Impact through Disruptive Events.” arXiv:2306.00227 (\*equal authorship; revise and resubmit at *Big Data & Society*)

Seamless Communication, Loïc Barrault, Yu-An Chung, Mariano Cora Meglioli, David Dale, Ning Dong, Paul-Ambroise Duquenne, Hady Elsahar, Hongyu Gong, Kevin Heffernan, John Hoffman, Christopher Klaiber, Pengwei Li, Daniel Licht, Jean Maillard, Alice Rakotoarison, Kaushik Ram Sadagopan, Guillaume Wenzek, Ethan Ye, Bapi Akula, Peng-Jen Chen, Naji El Hachem, Brian Ellis, Gabriel Mejia Gonzalez, Justin Haaheim, Prangthip Hansanti, Russ Howes, Bernie Huang, Min-Jae Hwang, Hirofumi Inaguma, Somya Jain, Elahe Kalbassi, Amanda Kallet, Ilia Kulikov, Janice Lam, Daniel Li, Xutai Ma, Ruslan Mavlyutov, Benjamin Peloquin, Mohamed Ramadan, Abinеш Ramakrishnan, Anna Sun, Kevin Tran, Tuan Tran, Igor Tufanov, Vish Vogeti, Carleigh Wood, Yilin Yang, Bokai Yu, Pierre Andrews,\* Can Balioglu,\* Marta R. Costa-jussà,\* Onur Celebi,\* Maha Elbayad,\* Cynthia Gao,\* Francisco Guzmán,\* Justine Kao,\* Ann Lee,\* Alexandre Mourachko,\* Juan Pino,\* Sravya Popuri,\* Christophe Ropers,\* Safiyyah Saleem,\* Holger Schwenk,\* Paden Tomasello,\* Changhan Wang,\* Jeff Wang,\* and **Skyler Wang**,\* 2023. “SeamlessM4T: Massively Multilingual & Multimodal Machine Translation.” arXiv:2308.11596v1 (\*research and engineering leadership; under review at *Nature*)

✍. *TIME Magazine’s Top 200 Inventions of 2023*

✍. *Select media coverage: Reuters, The Verge, TechCrunch, Axios, Mashable, Engadget, ZDNet*

*Other Academic Publications*

Seamless Communication, Loic Barrault, Yu-An Chung, Mariano Coria Meglioli, David Dale, Ning Dong, Mark Duppenhaler, Paul-Ambroise Duquenne, Brian Ellis, Hady Elsahar, Justin Haaheim, John Hoffman, Min-Jae Hwang, Hirofumi Inaguma, Christopher Klaiber, Ilia Kulikov, Pengwei Li, Daniel Licht, Jean Maillard, Ruslan Mavlyutov, Alice Rakotoarison, Kaushik Ram Sadagopan, Abinеш Ramakrishnan, Tuan Tran, Guillaume Wenzek, Yilin Yang, Ethan Ye, Ivan Evtimov, Pierre Fernandez, Cynthia Gao, Prangthip Hansanti, Elahe Kalbassi, Amanda Kallet, Artyom Kozhevnikov, Gabriel Mejia Gonzalez,

Robin San Roman, Christophe Touret, Corinne Wong, Carleigh Wood, Bokai Yu, Pierre Andrews,\* Can Balioglu,\* Peng-Jen Chen,\* Marta R. Costa-jussà,\* Maha Elbayad,\* Hongyu Gong,\* Francisco Guzmán,\* Kevin Heffernan,\* Somya Jain,\* Justine Kao,\* Ann Lee,\* Xutai Ma,\* Alex Mourachko,\* Benjamin Peloquin,\* Juan Pino,\* Sravya Popuri,\* Christophe Ropers,\* Safiyyah Saleem,\* Holger Schwenk,\* Anna Sun,\* Paden Tomasello,\* Changhan Wang,\* Jeff Wang,\* **Skyler Wang**,\* and Mary Williamson.\* 2023. "Seamless: Multilingual Expressive and Streaming Speech Translation." arXiv:2312.05187 (\*research and engineering leadership)

✍. *Select media coverage: CBS, Engadget, VentureBeat, Slatr*

**Wang, Skyler.** 2016. "Igniting a 'Pink Dot': Legal Pragmatism and Cultural Resonance in Singapore's First LGBT Movement." *Sojourners* 8:4-14.

✍. *Francesco Duina Best Article Award*

**Wang, Skyler.** 2016. "A Critique from Within: The Core of Ai Weiwei's 'Sunflower Seeds.'" *Undergraduate Journal of Art History & Visual Culture* 7:10-17.

*Work in Progress*

**Wang, Skyler.** "Data Auxiliaries: Making Online Dating Work with Dating Spreadsheets." (in preparation)

Bell, Samuel, **Skyler Wang**, and Levent Sagun. "Why So Spurious? A Critical Examination of Normative Spuriousness in Machine Learning." (in preparation)

**Wang, Skyler** and Marco Dehnert. "How Platforms Sell Human-AI Relationships and the Promise of 'On-Demand Intimacy.'" (in preparation)

**Wang, Skyler**, Leigh Levinson, and David Heath. "How Modality Impacts User Trust in AI Outputs." (in preparation)

**Wang, Skyler**, Nuhu Osman Attah, and Eduard Saakashvili. "Why (Most) AI is Non-Humanlike." (in preparation)

*Policy Reports*

MacAulay, Maggie, and **Skyler Wang**. 2016. "#ResistStigma: How Do We Get There?" Vancouver, BC: Community-Based Research Center for Gay Men's Health.

*Public Sociology*

2020 "Covid-19 is adding an unexpected urgency to how we date." *Quartz*. May 8.

2017 "The Pink Dot Redrawn." *The Middle Ground*. Jun 10.

2016 "The Missing Puzzle: Environmentalism in An Era of Identity Politics." *Climate Refuge*. Apr 15.

2015 "A Sea of Change: UBC as a Hotbed for Evolving Views on Homosexuality." *The Ubysey*. Sep 16.

*Fellowships*

2024 Visiting Professor, AI SG & National University of Singapore

2023 Summer Fellow, Diverse Intelligence Summer Institute

2022-2023 Dissertation Completion Fellowship, UC Berkeley

2021-22 Herbert Blumer Fellowship for Excellence in Teaching, UC Berkeley

2021 Graduate Remote Instruction Innovation Fellowship, UC Berkeley

2020 Leo Lowenthal Fellowship, UC Berkeley

2020 Summer Fellow, Diverse Intelligence Summer Institute

2019 Doctoral Fellow, UC Berkeley Institute of International Studies

2019 Summer Fellow, Diverse Intelligence Summer Institute

2017-21 Doctoral Fellowship, Social Science and Humanities Research Council of Canada  
 2017-20 Joseph-Armand Bombardier Canada Graduate Scholarship (declined)  
 2016-18 Regents' Fellowship for Graduate Study, UC Berkeley

*Honors & Awards*

2021 Certificate in Teaching and Learning in Higher Education, UC Berkeley  
 2021 Teaching Effectiveness Award for Graduate Student Instructors, UC Berkeley  
 2020 Outstanding Graduate Student Instructor Award, UC Berkeley  
 2016 Outstanding Graduating Student Award, Canadian Sociological Association  
 2016 Francesco Duina Best Article Award, UBC  
 2016 Kaspar Naegele Memorial Prize in Sociology (top graduating student), UBC  
 2016 Bhagwan Kaur wife of Gokal Singh of Halwara Award in Arts, UBC  
 2016 Teaching Assistant Award, UBC Sociology Students' Association  
 2016 Dean's Award for Outstanding Leadership in Academic Contribution, UBC  
 2016 "Canada Lecture: Campus" Participant, Canadian Race Relations Foundation  
 2015 Honors Program Participant, American Sociological Association  
 2015 IODE Fine Arts Foundation Scholarship  
 2013 Stafford D. Plant Scholarship, UBC  
 2012, 13 Dean's Honor List, UBC  
 2012 Trek Excellence Scholarship, UBC

*Grants*

2023 Summer Research Grant, UC Berkeley  
 2021 Summer Research Grant, UC Berkeley  
 2021 Course Improvement Grant, UC Berkeley  
 2019 Pre-Dissertation Research Grant in International Studies, Institute of International Studies  
 2019-20 Social Science Matrix Research Team Grant, UC Berkeley  
     Co-Investigator, "Interpreting Risk in the Age of Direct-to-Consumer Genetic Health Testing."  
 2018-19 Social Science Matrix Research Team Grant, UC Berkeley  
     Co-Investigator, "The DNA of Media Accounts on Genetic Ancestry Testing."  
 2018, 19 Graduate Division Conference Travel Grant, UC Berkeley  
 2015 First-Year Student Development Grant, UBC  
     Lead-Investigator, "Integration of International Students at UBC."  
 2015 Honors Program Grant, American Sociological Association  
 2015, 16 Peer Support Grant, UBC Sociology Students' Association

*Conference Presentations*

2024 "Data Auxiliaries: Making Online Dating 'Work' with Dating Spreadsheets." American Sociological Association Annual Meeting, Montreal, QC  
 2022 "How Money Matters: Financial Assurances & Sexual Safety in Airbnb & Couchsurfing." American Sociological Association Annual Meeting, Los Angeles, CA  
 2021 "Between Promise and Reality: How Experts and Consumers Mitigate Uncertainty in Direct-to-Consumer Genetic Health Testing." American Sociological Association Annual Meeting, Virtual  
 2020 "Bodily Sharing and Reference-Thinking in the Sharing Economy." American Sociological Association Annual Meeting, San Francisco, CA  
 2017-19 "Sharing Bodies in the Sharing Economy." American Sociological Association Annual Meeting, New York, NY  
     International Sociological Association Annual Meeting, Toronto, ON  
     Pacific Sociological Association Annual Meeting, Portland, OR  
 2018 with Watson, Ryan J. & Snapp, Shannon D. "Hookups Among Sexual Minority Populations: A Review and New Research Agenda." Society for Research on Adolescence Biennial Meeting, Minneapolis, MN

- 2016 “Igniting a ‘Pink Dot’: Legal Pragmatism and Cultural Resonance in Singapore’s First LGBT Movement.” American Sociological Association Annual Meeting, Seattle, WA
- 2015 “A Sea Change—International Movement and Sexual Remittances.”  
American Sociological Association Annual Meeting, Chicago, IL  
Canadian Sociological Association Annual Meeting, Ottawa, ON
- 2015 “Remittance Behaviour & The Transnational Politics of Queer Sexuality.” UBC Graduate Students Research Conference, Vancouver, BC

#### *Invited Talks*

- 2024 “Fundamental Challenges in AI.” Algorithmic Entrepreneurship Spring Summit, Mountain View, CA
- 2023 “The Multiple Dimensions of AI for Social Good.” UC Berkeley, Data Science Society
- 2022 “Small Data Solutionism: The Case of Dating Spreadsheets.” University of Connecticut Department of Human Development and Family Sciences, Virtual
- 2022 “From Human to Social-Centric Tech & AI: Interdisciplinarity in Massively Multilingual Machine Translation.” Data Science for Society Seminar Series, Virtual
- 2022 “The Promises and Limits of Human-Centered Tech & AI.” CIFAR Boundaries, Membership & Belonging Meeting, Berkeley, CA
- 2022 “Communication Across Communities in Machine Learning Research and Practice.” ACM Fairness, Accountability, and Transparency (FAccT) Conference, Seoul, South Korea
- 2022 “A Tale of Two Platforms: How Exchange and Design Shape Moral Relations.” Society and AI at Meta, Virtual
- 2019 “Designing a Dating Algorithm that is Good for Society.” UC Berkeley Department of Sociology, Berkeley, CA
- 2019 “A Numbers Game: Finding Love in Algorithmic Society.” UC Berkeley Department of Interdisciplinary Studies, Berkeley, CA
- 2018 “International Movement and Sexual Remittances.” UC Berkeley Department of Sociology, Berkeley, CA
- 2018 “Sharing Bodies in the Sharing Economy.” UC Berkeley Department of Interdisciplinary Studies, Berkeley, CA
- 2016 “Love & Modernity—Romance in the Age of Technological Ascendancy.” UBC Department of Psychology, Vancouver, BC
- 2016 “The Demise of Traditional Dating?” UBC Department of Psychology, Vancouver, BC
- 2016 “Beyond the Nation-State: The Emergence of Transnational Sexualities.” UBC Department of Sociology, Vancouver, BC
- 2015 with Maggie MacAulay. “#ResistStigma: How Do We Get There?” 11th Gay Men’s Health Summit, Vancouver BC

#### *Interviews*

- 2023 “The Dating Brain in the Digital Age.” *CNN (Chasing Life with Dr. Sanjay Gupta)*, Nov 21
- 2023 “ChatGPT Is Cutting Non-English Languages Out of the AI Revolution.” *WIRED*, May 31.
- 2020 “The Wild World Of Pandemic Dating.” *Wisconsin Public Radio*, Oct 8.
- 2020 “Will virtual dating outlast the pandemic?” *Quartz*, May 14.
- 2019 “In Partisan 2019, Listing ‘Moderate’ Can Hurt You On Dating Apps.” *HuffPost*, Nov 8.
- 2019 “Signaling Your Politics on Tinder Is a Messy Business.” *GQ*, Jun 24.
- 2019 “The Affluent Homeless: A Sleeping Pod, A Hired Desk and A Handful Of Clothes.” *National Public Radio (All Things Considered)*, Apr 23.
- 2019 “What you need to know about online dating.” *University of California Official FB Page*, Feb 14.
- 2019 “The rise of the Tinder-themed wedding.” *Mashable*, Published Feb 10.
- 2019 “Dating Sunday: The busiest day of the year for online dating is Jan. 6.” *USA Today*, Jan 5.

- 2018 "Are Dating Apps Affecting Our Mental Health?" *Wisconsin Public Radio*, Nov 1.  
 2018 "Millennials don't want to own things. Startups are eager to help." *San Francisco Chronicle*, Sep 10.  
 2018 "Finding Love in a Hopeless Place." *New Hampshire Public Radio*, Aug 17.  
 2018 "Be My (Rural) Valentine: Finding Love Outside of Town." *Jefferson Public Radio*, Feb 14.  
 2018 "What Makes Us Click: How Online Dating Shapes Our Relationships." *National Public Radio (Morning Edition)*, Jan 2.  
 2017 "Academic Contribution to the Faculty of Arts Award Interview." *UBC Arts*, Apr 11.  
 2016 "The Unlit Flame: My Tinder Misadventures." *The Ubyyssey*, Feb 10.

- Research Experience*
- 2019 "Venture Capitalism & Bay Area Technology." Graduate Student Research for Armando Lara-Millan (UC Berkeley Department of Sociology)  
 2016-17 "Global Masculinities." Graduate Student Researcher for Raka Ray (UC Berkeley Department of Sociology)  
 2016 "Immigration Strategies and Success Project." Research Assistant for Lara Akin & Irene Bloemraad (Canadian Institute for Advanced Research)  
 2015-16 "#ResistStigma—A Scoping Review." Knowledge Translator (Community-Based Research Center for Gay Men's Health)  
 2015-16 "Identity, Attitudes and Genetic Ancestry Testing Study." Research Assistant for Wendy Roth (UBC Department of Sociology)  
 2015 "Investigating Hookups—A Queer Youth Perspective." Research Assistant for Ryan Watson (Stigma and Resilience Among Vulnerable Youth Center)  
 2014 "Sexualized Violence & Rape Culture in Canadian Universities." Research Assistant for Rachel Sullivan (UBC Department of Sociology)

*Teaching & Mentorship*

**University of California, Berkeley**

- 2023-24 Instructor, "Artificial Intelligence & Society: The Promises and Limits of Technological Futures" (SOC190)  
 2021-23 Workshop Leader, UC Berkeley Teaching Conference  
 2022 Instructor, "'The Give and Take': Sociology of the Sharing Economy" (SOCN100)  
 2021 Co-Instructor, "Sociology Pedagogy Seminar" (SOC375) with Mara Loveman  
 2021 Instructor, "'What Makes Us Click': Dating in the Age of Modern Romance" (SOC190-Spring; SOCN100-Summer)  
 2020 Reader, "Sociology of the Family" (SOC111AC) with Joanna Reed  
 2020 Reader, "Virtual Communities/Social Media" (SOC1167) with Edwin Lin  
 2020 Graduate Student Instructor, "Economy and Society" (SOC120) with Neil Fligstein  
 2019 Graduate Student Instructor, "Sex, Death, and Data" (SOC/DEMOGC126) with Jenna Johnson-Hanks  
 2019 Head Graduate Student Instructor, "Introduction to Sociology" (SOC1) with Robert Braun  
 2018 Head Graduate Student Instructor, "Introduction to Sociology" (SOC1) with Ann Swidler  
 2018 Reader, "Sociology of Health and Medicine" (SOC1-C115) with Armando Lara-Millan  
 2017 Graduate Student Instructor, "Exploring the Liberal Arts" (L&SW1)

**University of British Columbia**

- 2016 Instructor, "What Makes You Click: The Sociology of Online Dating" (SOC1433)  
 2014-15 Teaching Assistant, "Introduction to Sociology" (SOC1100), "Relationship Development" (FMST314), "Sociology of the Family" (SOC1200)

*Service*

**University of California, Berkeley**

2020-23 NavCal Research Advisor  
2022 Summer Undergraduate Research Fellowships Review Committee  
2018-19 Gender & Sexuality Workshop Coordinator  
2017-18 Student Health Advisory Committee

**University of British Columbia**  
2016 Advisory Committee Member, Student Directed Seminar  
2015-16 Associate Editor, Sojourners

<i>Reviewer</i>	<i>American Journal of Sociology</i> <i>Big Data &amp; Society</i> <i>Higher Education</i> <i>Policy Studies</i> ACM Fairness, Accountability, Transparency (FAccT) Empirical Methods in Natural Language Processing (EMNLP)
<i>Professional Affiliations</i>	American Sociological Association Canadian Sociological Association International Sociological Association
<i>Languages</i>	English & Mandarin (bilingual proficiency)