Marianne Aubin Le Quéré

Department of Information Science   Home: http://mariannealq.com
Cornell Tech   Email: msa258@cornell.edu

Education

2019–2025	Ph.D., Information Science, Cornell University
	M.Sc., Information Science, Cornell Tech
	Committee: Mor Naaman (chair), J. Nathan Matias, Emma Pierson
2013–2017	B.Sc., Computer Science and Nonfiction (Honors), Brown University

Selected Honors and Awards

2024	Top Paper Award, International Communication Association Conference, Communication and Technology Division (Top <1%)
2022	Cornell Tech Outstanding Service Award, selected from 80+ PhD students
2021	Digital Life Initiative Doctoral Fellow, $6000
2021	Facebook Fellowship Finalist in Computational Social Science, selected among the top 3.5% of applicants out of 2,100+ total applications
2021	Cornell University Art Microgrant to host retreat on Gender Inclusion, $500

Publications

*Indicates equal contribution

Under Review

- **Bridging the Local Media Gap: Assessing Localized Social Media Use, Community Attachment, and Political Participation in a Multi-National Survey**
  Marianne Aubin Le Quéré and Sanjay R. Kairam. *Revise & Resubmit*

- **Large Language Models in Qualitative Research: Uses, Tensions, and Intentional Choices**
  Hope Schroeder*, Marianne Aubin Le Quéré*, Casey Randazzo, David Mimno, Sarita Schoenebeck. *Revise & Resubmit*.

Heavily Peer-Reviewed Publications

I have published my work in journals and in heavily peer reviewed computer science venues. In computer science and related fields, the academic norm is to publish in conference proceedings. These conferences are archival and should be considered with the same esteem as journal publications.

[1] **When Curiosity Gaps Backfire: Effects of Headline Concreteness on Information Selection Decisions**
Marianne Aubin Le Quéré*, and J. Nathan Matias*. *Nature Scientific Reports*, 2025.

[2] **Under the (neighbor)hood: Hyperlocal Surveillance on Nextdoor**
Madiha Choksi*, Marianne Aubin Le Quéré*, Travis Lloyd, Ruojia Tao, James Grimmelmann, and Mor Naaman. *Proceedings, the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI),* 2024.

[3] **The Role of Inclusion, Control, and Ownership in Workplace AI-Mediated Communication**, Kowe Kadoma, Marianne Aubin Le Quéré, Xiyu Jenny Fu, Christin Munsch, Danae Metaxa, and Mor Naaman. *Proceedings, the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI),* 2024.

[4] **Not Quite Filling the Void: Comparing the Perceptions of Local Online Groups and Local Media Pages on Facebook**
Marianne Aubin Le Quéré, Jenna Fields, and Mor Naaman, *Proceedings of the ACM on Human-Computer Interaction, 8(CSCW1),* 2024.

[5] **Broadening scientific engagement and inclusivity in IPCC reports through collaborative technology platforms**
Anthony Jude De-Gol, Corinne Le Quéré, Adam J.P. Smith, and Marianne Aubin Le Quéré, *Nature Climate Action*, 2023.

[6] **Understanding Local News Social Coverage and Engagement at Scale During the COVID-19 Pandemic**
Marianne Aubin Le Quéré, Ting-Wei Chiang, Mor Naaman, *International Conference on Web and Social Media (ICWSM)*, 2022.

[7] **Information Needs of Essential Workers During the COVID-19 Pandemic**
Marianne Aubin Le Quéré, Ting-Wei Chiang, Karen Levy, Mor Naaman, *Proceedings of the ACM on Human-Computer Interaction 6(CSCW2)*, 2022.

[8] **The Upworthy Research Archive, a time series of 32,487 experiments in U.S. media**
J. Nathan Matias*, Kevin Munger*, Marianne Aubin Le Quéré*, Charlie Ebersole*, *Nature Scientific Data*, 2021.

[9] **Drafty: Enlisting Users to be Editors who Maintain Structured Data**
Shaun Wallace, Lucy Van Kleunen, Marianne Aubin Le Quéré, Abraham Peterkin, Yirui Huang, Jeff Huang. *Proceedings of the Fifth Conference on Human Computation and Crowdsourcing (HCOMP)*, 2017.

Lightly Peer-Reviewed Publications

[1] **News Futures: Redesigning Socio-technical Systems for News Production & Consumption**
Sachita Nishal, Marianne Aubin Le Quéré, Brian McInnis, Bronwyn Jones, Kristen Vaccaro, Tanja Aitamurto, Mor Naaman, Nick Diakopoulos. *Workshop accepted to CHI Conference for Human Factors in Computing, 2025.*

[2] **Towards Identifying Local Content Deserts with Open-Source Large Language Models**

Marianne Aubin Le Quéré, Siyan Wang, Tazbia Fatima, and Michael Krisch. *Computation & Journalism Symposium, 2024.*

[3] **The Neighborhood Prism: How Localized Social Networks Reflect Offline Demographics**
Ruojia Tao*, and Marianne Aubin Le Quéré*. *Extended Abstracts for Computer-Supported Cooperative Work Conference (CSCW), 2024.*

[4] **Under the (neighbor)hood: Hyperlocal Surveillance on Nextdoor**
Marianne Aubin Le Quéré*, Madiha Choksi*, Travis Lloyd, Ruojia Tao, James Grimmelmann, and Mor Naaman. *International Communication Associaton conference, 2024.* Top Paper Award.

[5] **An Article a Day: Towards Personal Informatics for Healthy News Consumption**
Marianne Aubin Le Quéré*, Lauren Tran*, Andrew Berger, Christopher Nguyen, Rohini Venkatesan, Anastasia Sorokina, Yuanhang Xu, Mor, Naaman. *Extended Abstracts for the CHI Conference on Human Factors*, 2024.

[6] **LLMs as Research Tools: Applications and Evaluations in HCI Data Work**
Marianne Aubin Le Quéré, Hope Schroeder, Casey Randazzo, Jie Gao, Ziv Epstein, Simon Perreault, David Mimno, Louise Barkhuus, and Hanlin Li. *Extended Abstracts for the CHI Conference on Human Factors, 2024.*

[7] **The Modern Informed Citizen: Understanding Information Trade-offs in Digital News Consumption**
Marianne Aubin Le Quéré. *Extended Abstracts for the CHI Conference on Human Factors*, 2023.

[8] **Social, Local, and Online: Comparing the Perceptions and Impact of Local Online Groups and Local Media Pages on Facebook**
Marianne Aubin Le Quéré, Jenna Fields, and Mor Naaman. *International Communication Association Conference*, 2023.

[9] **Social, Local, and Online: Comparing the Perceptions and Impact of Local Online Groups and Local Media Pages on Facebook**
Marianne Aubin Le Quéré, Jenna Fields, and Mor Naaman. *Computation + Journalism Symposium*, 2022.

[10] **Trusting AI in Under-Resourced Environments: Lessons from Local Journalism**
Marianne Aubin Le Quéré and Maurice Jakesch. *CHI TRAIT workshop*, 2022.

Public and Policy Writing

[1] **The State of Large Language Models in HCI Research: Workshop Report**
Marianne Aubin Le Quéré, Hope Schroeder, Casey Randazzo, Jie Gao, *Interactions Magazine. Jan/Feb 2025 Issue. To appear.*

[2] **Rethinking AI and Local News**
Marianne Aubin Le Quéré. *Digital Life Initiative Critical Reflections Blog*, 2022.

[3] **Literature Review: AI and Local News**
Marianne Aubin Le Quéré, *Report prepared to evaluate philanthropic efforts at the Knight Foundation*, 2022.

Teaching

2023	INFO5320: Psychological and Social Aspects of Technology	Cornell Tech	Part-time PhD TA
2023	INFO5330: Tech, Media & Democracy	Cornell Tech	Part-time PhD TA
2022	CS6382: Data Science for Social Change	Cornell Tech	Part-time PhD TA
2020	INFO5320: Psychological and Social Aspects of Technology	Cornell Tech	PhD TA
2020	CS4300: Language & Information	Cornell University	PhD TA
2019	INFO3450: Human-Computer Interaction Design	Cornell University	PhD TA
2017	CS1950-Y: Logic For Systems	Brown University	Undergraduate TA

Industry Positions

Summer 2023	**Data Science PhD Intern**	Reddit
	Analyzed user behavior on local subreddits, ran a survey with 4k+ users to compare sense of community in local vs non-local subreddits.	
Summer 2022	**Data Science PhD Intern**	Nokia Bell Labs
	Wrote coding architecture to retrieve data from an online local social media platform at scale. Completed computational analysis of online data and linked data to offline demographic indicators at the city level.	
Summer 2020	**User Research Intern**	Mozilla
	Surveyed 1K+ users, conducted data analysis, and interviewed power users to extract key insights to segment users into different personas.	
2017–2019	**Program Manager**	Microsoft
	Organized the worldwide roll-out of new payment methods on the website, readied the platform for EU payment regulations and added support for work authentication across multiple surfaces.	
Summer 2016	**Program Manager Intern**	Microsoft
	Designed a hybrid billing option that lets customers accrue a balance or add funds.	

Select Invited Talks & Panels

- 2024, *AI Summary Quality in Low-Information Environments*, Citizens & Technology Lab

- 2024, *Wrestling with LLMs as Tools to Understand Civic Information Disparities*, New York Academy of Sciences, AI & Society Seminar

- 2024, *When Curiosity Gaps Backfire: The Effect of Headline Concreteness on News Clickthrough Rates*, Cambridge University Social Psychology Seminar Series

- 2024, *Panelist: The Modern Media Environment*, hosted by news aggregator SmartNews

- 2023, *Furthering community engagement with city subreddits*, Reddit.

- 2022, *Editorializing the Web*, MIT Visualization Group

- 2021, *Assessing the Contribution of Local News at Scale*, Digital Life Initiative Seminar Series, Cornell Tech

Scientific Organizing

- 2024, *News Futures: Redesigning Socio-Technical Systems for News Production & Consumption*, one of two lead PhD organizers for an upcoming in-person CHI2025 workshop.

- 2024, *LLMs as Research Tools: Applications and Evaluations in HCI Data Work*, lead organizer for a hybrid CHI2024 workshop on the use of LLMs in Data work with 40+ attendees.

- 2022, *Retreat for Gender Inclusion*, organized hybrid two-day retreat with 20 attendees to work on projects related to gender inclusion in computing.

- 2021, *Retreat for Gender Inclusion*, organized virtual two-day retreat with 15 attendees to work on projects related to gender inclusion in computing.

Service

- Masters' Student Project Mentor, Cornell Tech Connective Media Program, 2021-Present.

- Mentor for Incoming PhD Student, Cornell Information Science Department, 2021-2023.

- Social Coordinator, PhD Students at Cornell Tech, 2022.

- Social Coordinator and Departmental Rep, PhD Students at Cornell Tech, 2021.

- Vice-President, Graduate Students for Gender Inclusion in Computing, 2021.

- Lead Organizer, Cornell COVID-19 Survey of Grad Students in Computing, Cornell Computer and Information Sciences Department, 2020.

- Data and Surveys Chair, Graduate Students for Gender Inclusion in Computing, 2020.

Reviewing

2024   ICWSM, CSCW (Associate Chair), CHI, IC2S2, ICA, Transactions on Interactive Intelligent Systems, PLOS ONE

2023   ICWSM, CSCW, CHI, ICA, PLOS ONE

2022   ICWSM, CHI, WWW (PC member), Journal of Online Trust & Safety, ICA

2021   CSCW, ACM Transactions on Social Computing, CHI, ICWSM

Code and Data Availability

- **Sentence Concreteness Metric**

  Python package to enable the continuous tagging of any sentence with its concreteness.

- **Local News Database**

  Dataset of 10,257 local news outlets in the U.S. and their social media handles, and metadata including numerical localness. Used as a resource for Columbia Data Journalism class.

- **Upworthy Research Archive**

  The Upworthy Research Archive is an open dataset of thousands of A/B tests of headlines conducted by Upworthy from January 2013 to April 2015. Papers using the Upworthy Archive have been published in Nature Human Behavior, PLOS ONE, and Scientific Reports.