Computer Science Artificial Intelligence Lab
Massachusetts Institute of Technology
32 Vassar St. 32G-598
Cambridge, MA, USA 02139

(646) 657-8269 📞
@amyxzh 🐦
axz@mit.edu ✉
http://people.csail.mit.edu/axz 🌐

Amy Xian Zhang

Research Interests

Social computing, computer-supported cooperative work, computational social science, human-computer interaction, data science

Appointments

2020–   **University of Washington**, Seattle, WA
Assistant Professor, Paul G. Allen School of Computer Science and Engineering

2019–2020   **Stanford University**, Palo Alto, CA
Postdoctoral Researcher, Stanford Computer Science Department

2018–2019   **Harvard University**, Cambridge, MA
Fellow, Berkman Klein Center for Internet and Society

Education

2014–2019   **Massachusetts Institute of Technology**, Cambridge, MA
Ph.D. Electrical Engineering and Computer Science
Thesis: *Systems for Collective Human Curation of Online Discussion*
Committee: David Karger (advisor), Arvind Satyanarayan, Mark Ackerman, Ethan Zuckerman

2011–2012   **University of Cambridge**, Cambridge, UK
M.Phil. Advanced Computer Science, Graduated with Distinction
Thesis: *Defining and Characterizing Urban Neighborhoods using Location-based Social Media*
Advisor: Cecilia Mascolo

2007–2011   **Rutgers University**, New Brunswick, NJ
B.S. Computer Science, Summa Cum Laude
Thesis: *Time Series Analysis of Twitter with Hadoop*
Advisor: Mor Naaman

Awards & Honors

2019	Selected for ACM Future of Computing Academy
2018	Best Paper Award, ACM CSCW
2018	Selected for Rising Stars in EECS Workshop
2018	Heidelberg Laureate Forum Young Researcher
2016–2019	Google Research PhD Fellowship
2015	Best Paper Honorable Mention Award, ACM CHI
2014–2017	National Science Foundation Graduate Research Fellowship
2011–2012	Gates Cambridge Fellowship
2011	Novelli Award (awarded to top senior in CS by Rutgers CS Faculty)
2010	Madgison Award (awarded to top junior in CS by Rutgers CS Faculty)

2007–2011   Rutgers University Presidential Scholarship (full academic scholarship)

Publications

Refereed Journal Articles

[j.5]   **Amy X. Zhang***, Michael Mueller*, Dakuo Wang. How do Data Science Workers Collaborate? Roles, Workflows, and Tools. *Proceedings of the ACM on Human-Computer Interaction. (CSCW '20).* Minneapolis, MN. Nov 2020. *Equal Contribution.

[j.4]   **Amy X. Zhang**, Justin Cranshaw. Making Sense of Group Chat through Collaborative Tagging and Summarization. *Proceedings of the ACM on Human-Computer Interaction. Volume 2 Issue CSCW, No. 196 (CSCW '18).* New York, NY. Nov 2018. [25% Acceptance Rate]
Best Paper Award.

[j.3]   Jane Im, **Amy X. Zhang**, David Karger. Deliberation and Resolution on Wikipedia: A Case Study of Requests for Comments. *Proceedings of the ACM on Human-Computer Interaction. Volume 2 Issue CSCW, No. 74 (CSCW '18).* New York, NY. Nov 2018. [25% Acceptance Rate]

[j.2]   **Amy X. Zhang**, Jilin Chen, Wei Chai, Jinjun Xu, Lichan Hong, Ed Chi. Evaluation and Refinement of Clustered Search Results with the Crowd. *ACM Transactions on Interactive Intelligent Systems: Special Issue on Human-Centered Machine Learning.* 8, 2, Article 14 (June 2018), 28 pages.

[j.1]   **Amy X. Zhang**, Anastasios Noulas, Salvatore Scellato, Cecilia Mascolo. Hoodsquare: Modeling and Recommending Neighborhoods in Location-based Social Networks. *ASE Human Journal.* 2.01 (2013): pp 40-54. [3.8% Acceptance Rate]. Invited Publication.

Refereed Conference Papers

[c.18]   Jenny Fan, **Amy X. Zhang**. Digital Juries: A Civics-Oriented Approach to Platform Governance. *ACM Conference on Human Factors in Computing Systems (CHI '20).* Honolulu, HI. April 2020. [24.3% Acceptance Rate]

[c.17]   Tarfah Alrashed, Jumana Almahmoud, **Amy X. Zhang**, David Karger. ScrAPIr: Making Web Data APIs Accessible to End Users. *ACM Conference on Human Factors in Computing Systems (CHI '20).* Honolulu, HI. April 2020. [24.3% Acceptance Rate]

[c.16]   Shay Geller, Nicholas Hoernle, Kobi Gal, Marc Facciotti, Avi Segal, Michele Igo, David Karger, **Amy X. Zhang**. #Confused and Beyond: Detecting Confusion in Course Forums using Student Annotated Hashtags. *Learning Analytics and Knowledge Conference (LAK '20).* Frankfurt, Germany. March 2020.

[c.15]   Soya Park, **Amy X. Zhang**, Luke Murray, and David Karger. Opportunities for Automating Email Processing: A Need-Finding Study. *ACM Conference on Human Factors in Computing Systems (CHI '19).* Glasgow, UK. May 2019. [23.8% Acceptance Rate]

[c.14]   **Amy X. Zhang**, Aditya Ranganathan, Sarah Emlen Metz, Scott Appling, Connie Moon Sehat, Norman Gilmore, Nick B. Adams, Emmanuel Vincent, Martin Robbins, Jennifer 8. Lee, Ed Bice, Sandro Hawke, David Karger, An Xiao Mina. A Structured Response to Misinformation: Defining and Annotating Credibility Indicators in News Articles. *Proceedings of the 27th International Conference on World Wide Web: Journalism, Misinformation, and Fact Checking Track (WWW '18 Companion).* Lyon, France. April 2018. [28% Acceptance Rate]

[c.13]   Kaitlin Mahar, **Amy X. Zhang**, David Karger. Squadbox: A Tool to Combat Email Harassment

Using Friendsourced Moderation. *ACM Conference on Human Factors in Computing Systems (CHI '18)*. Montreal, Canada. April 2018. [26% Acceptance Rate]

[c.12] **Amy X. Zhang**, Bryan Culbertson, Praveen Paritosh. Characterizing Online Discussion Using Coarse Discourse Structures. *AAAI International Conference on Weblogs and Social Media (ICWSM '17)*. Montreal, Canada. May 2017. [14% Acceptance Rate]

[c.11] **Amy X. Zhang**, Lea Verou, David Karger. Wikum: Bridging Discussion Forums and Wikis Using Recursive Summarization. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '17)*. Portland, Oregon. Feb 2017. [34% Acceptance Rate]

[c.10] Lea Verou, **Amy X. Zhang**, David Karger. Mavo: Creating Interactive Data-Driven Web Applications by Authoring HTML. *ACM User Interface Software and Technology Symposium (UIST '16)*. Tokyo, Japan. Oct 2016. [21% Acceptance Rate]

[c.9] **Amy X. Zhang**, Scott Counts. Gender and Ideology in the Spread of Anti-Abortion Policy. *ACM Conference on Human Factors in Computing Systems (CHI '16)*. San Jose, CA. April 2016. [23% Acceptance Rate]

[c.8] **Amy X. Zhang**, Joshua Blum, David Karger. Opportunities and Challenges Around a Tool for Social and Public Web Activity Tracking. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '16)*. San Francisco, CA. Feb. 2016. [25% Acceptance Rate]

[c.7] **Amy X. Zhang**, Scott Counts. Modeling Ideology and Predicting Policy Change with Social Media: Case of Same-Sex Marriage. *ACM Conference on Human Factors in Computing Systems (CHI '15)*. Seoul, Korea. April 2015. [23% Acceptance Rate].
Best Paper Honorable Mention.

[c.6] **Amy X. Zhang**, Mark S. Ackerman, David R. Karger. Mailing Lists: Why Are They Still Here, What's Wrong With Them, and How Can We Fix Them? *ACM Conference on Human Factors in Computing Systems (CHI '15)*. Seoul, Korea. April 2015. [23% Acceptance Rate].

[c.5] Edward Benson, **Amy X. Zhang**, David R. Karger. Spreadsheet Driven Web Applications. *ACM User Interface Software and Technology Symposium (UIST '14)*. Honolulu, Hawaii. Oct 2014. [22% Acceptance Rate]

[c.4] Juho Kim, **Amy X. Zhang**, Jihee Kim, Robert Miller, Krzysztof Gajos. Content-Aware Kinetic Scrolling for Supporting Web Page Navigation. *ACM User Interface Software and Technology Symposium (UIST '14)*. Honolulu, Hawaii. Oct 2014. [22% Acceptance Rate].

[c.3] Nick Diakopoulos, **Amy X. Zhang**, Dag Elgesem, Andrew Salway. Identifying and Analyzing Moral Evaluation Frames in Climate Change Blog Discourse. *AAAI International Conference on Weblogs and Social Media (ICWSM '14)*. Ann Arbor, MI. June 2014. [41% Acceptance Rate].

[c.2] **Amy X. Zhang**, Anastasios Noulas, Salvatore Scellato, Cecilia Mascolo. Hoodsquare: Modeling and Recommending Neighborhoods in Location-based Social Networks. *ASE/IEEE International Conference on Social Computing (SocialCom '13)*. Washington, D.C. June 2013. [9.9% Acceptance Rate].

[c.1] Mor Naaman, **Amy X. Zhang**, Sam Brody, Gilad Lotan. On the Study of Diurnal Urban Routines on Twitter. *AAAI International Conference on Weblogs and Social Media (ICWSM '12)*. Dublin, Ireland. June 2012. [20% Acceptance Rate].

Poster and Work-in-Progress Papers

[p.6] Md. Momen Bhuiyan, **Amy X. Zhang**, Connie Moon Sehat, Tanushree Mitra. Investigating "Who" in the Crowdsourcing of News Credibility. *Computation + Journalism Symposium (C+J '20)*. Boston, MA. February 2020.

[p.5] Jenny Fan, **Amy X. Zhang**. Digital Juries: A Civics-Oriented Approach to Platform Governance. *ACM Computer Science and Law Symposium*. New York, NY. Oct 2019.

[p.4] Soya Park, **Amy X. Zhang**, David Karger. Post-literate Programming: Linking Discussion and Code in Software Development Teams. *ACM User Interface Software and Technology Symposium (UIST '18)*. Berlin, Germany. Oct 2018.

[p.3] **Amy X. Zhang**, David Karger. Bridging Discussions and Wikis using Recursive Summarization. *ACM Collective Intelligence*. New York, NY. June 2017.

[p.2] **Amy X. Zhang**, Michele Igo, Marc Facciotti, David Karger. Using Student Annotated Hashtags and Emojis to Collect Nuanced Affective States. *ACM Learning @ Scale (L@S '17)*. Boston, MA. April 2017.

[p.1] Yelena Mejova, **Amy X. Zhang**, Nicholas Diakopoulos, Carlos Castillo. Controversy and Sentiment in Online News. *3rd Computation + Journalism Symposium (C+J '14)*. New York, NY. October 2014.

Demo Papers

[d.3] Kaitlin Mahar, **Amy X. Zhang**, David Karger. Squadbox: A Tool to Combat Online Harassment Using Friendsourced Moderation. *ACM Conference on Human Factors in Computing Systems (CHI '18)*. Montreal, Canada. April 2018.

[d.2] **Amy X. Zhang**, David Karger, Anant Bhardwaj. Confer: A Conference Recommendation and Meetup Tool. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '16)*. San Francisco, CA.

[d.1] **Amy X. Zhang**, Joshua Blum, David Karger. Eyebrowse: Selective and Public Web Activity Sharing. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '16)*. San Francisco, CA.

Doctoral Symposium

[ds.2] **Amy X. Zhang**. Building Systems to Improve Online Discussion. *ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW '18)*. New York, NY. Nov 2018.

[ds.1] **Amy X. Zhang**. Systems to Improve Online Discussion. *ACM User Interface Software and Technology Symposium (UIST '17)*. Quebec City, Canada. Oct 2017.

Workshop Papers

[w.5] **Amy X. Zhang**, David Karger. Making Online Discussions More Sense-able by Adding Richer Structure. *Sensemaking Workshop at ACM Conference on Human Factors in Computing Systems (CHI '18)*. Montreal, Canada. April 2018. Workshop Paper.

[w.4] **Amy X. Zhang**, Kaitlin Mahar, David Karger. Combating Online Harassment with Friendsourcing. *Bad Actors Workshop at ACM Conference on Human Factors in Computing Systems (CHI '18)*. Montreal, Canada. April 2018. Workshop Paper.

[w.3] **Amy X. Zhang**, Joshua Blum, David Karger. Reimagining Web Activity Tracking for Social Applications. *Everyday Surveillance Workshop at ACM Conference on Human Factors in Computing*

Systems (CHI '16). San Francisco, CA. Workshop Paper.

[w.2]   Nick Diakopolous, Dag Elgesem, Andrew Salway, **Amy X. Zhang**, Knuf Hofland. Compare Clouds: Visualizing Text Corpora to Compare Media Frames. *ACM Intelligent User Interfaces Workshop on Visual Text Analytics (TextVis @ IUI '15).* Atlanta, Georgia. March 2015.

[w.1]   Nick Diakopolous, **Amy X. Zhang**, Andrew Salway. Visual Analytics of Media Frames in Online News and Blogs. *IEEE InfoVis Workshop on Interactive Visual Text Analytics (TextVis @ InfoVis '13).* Atlanta, Georgia. October 2013.

Non-Refereed Public Writing

Amy X. Zhang. Considering social factors in new technologies. *ACM XRDS: Crossroads, The ACM Magazine for Students.* 25 (2), 28-31. 2019.

Patents

Amy X. Zhang, Justin Cranshaw. Human-Machine Interface for Collaborative Summarization of Group Conversations. Microsoft Research. Filed 2017.

Amy X. Zhang, Jilin Chen, Sagar Jain, Lichan Hong, Ed Chi. Crowdsourced Evaluation and Refinement of Search Clusters. Google Research. Filed 2016.

PROFESSIONAL EXPERIENCE

2014–2019   Graduate Research Assistant, **MIT CSAIL**, Cambridge, MA
Researching the way we conduct discourse and share information on the Internet, and creating interfaces and systems to facilitate new or better ways of interaction. [j.3][c.15][c.13][c.11][c.8][c.6][p.2–4][d.1–3][ds.1–2][w.3–5]
Advisor: David Karger

Summer 2017   Research Intern, **Microsoft FUSE Labs, Microsoft**, Redmond, WA
Understanding group chat conversations and users' problems with catching up with chat. Built a chat summarization tool to help people who participate in group chat but miss conversations. [j.4]
Advisor: Justin Cranshaw

Summer 2016   Research Intern, **Queriosity Group, Google Research**, Mountain View, CA
Characterized and extracted discourse acts from online forums to improve question-answering systems and forum results in Google Search. Released public dataset. Featured on Google Research blog. [c.12]
Advisor: Bryan Culbertson, Praveen Paritosh

Summer 2015   Research Intern, **SIR Group, Google Research**, Mountain View, CA
Explored crowdsourced evaluation of interfaces for clustered search results, focusing on the Google Play app store. [j.2]
Advisor: Jilin Chen, Lichan Hong, Ed Chi

Summer 2014   Research Intern, **neXus Group, Microsoft Research**, Redmond, WA
Identifying population-level ideological shifts and predicting policy change at the state level from expressions made on Twitter by constituents. Case studies of same-sex marriage legalization and abortion policy. [c.7][c.9]
Advisor: Scott Counts

2012–2014 Software Engineer, **NewsCred**, New York, NY
Backend engineer overseeing production API receiving 15 million+ hits/day delivering relevant news content and search indexes and databases storing over 150 million artifacts. Built image system and real-time analytics system serving 10 million+ images/day. Research Project LingoScope: a visualization tool to compare framing differences between news sources on issues. [c.3][w.1][w.2][w.3]

2011–2012 Masters Research Assistant, **Cambridge Computer Laboratory**, Cambridge, UK
Defining geographic neighborhoods in urban cities using density-based spatial clustering, based on Foursquare data. [c.2][j.1]
Advisor: Salvatore Scellato, Anastasios Noulas, Cecilia Mascolo

Summer 2011 Research Assistant, **Yahoo! Research Labs**, New York, NY
Using Twitter Firehose data, built largest known dataset of tweets geo-tagged for 58 cities. Analyzed the aggregate temporal patterns of top 10,000 terms in each city and developed statistical measures to determine keywords that demonstrate robust diurnal patterns. [c.1]
Advisor: Mor Naaman, Jake Hofman

2010–2011 Research Assistant, **Rutgers Social Media and Information Lab**, New Brunswick, NJ
Built a Hadoop framework to quickly query large quantities of Twitter data for temporal patterns.
Advisor: Mor Naaman

TEACHING

Spring 2018 Instructor, **6.813: User Interface Design**, MIT CSAIL
Instructor for a flipped, project-based user interface design and programming course, with 250 students enrolled and overseeing 9 TAs. Also led graduate research reading seminar.

Spring 2017 Teaching Assistant, **6.813: User Interface Design**, MIT CSAIL
Graduate TA for a flipped, project-based user interface design and programming course, with 250 students enrolled. Lead TA for graduate research reading seminar and one undergraduate section.

Fall 2009 Instructor, **Exploring Computer Science Seminar**, Rutgers University
Instructed for-credit class of 18 freshmen on introductory computer science topics. Individually designed syllabus and lesson plans, distributed grades, and arranged for trip to Google NYC.

INVITED TALKS

2020 **BostonCHI Talk Series**, Cambridge, MA
Systems to Improve Online Discussion
Stanford HCI Lunch, Palo Alto, CA
Systems to Improve Online Discussion

2019 **Center for Democracy and Technology: The Future of Speech Online**, Washington, D.C.
Squadbox: A Tool to Fight Online Harassment with Friends
WikiConference North America, Cambridge, MA
Squadbox: A Tool to Fight Online Harassment with Friends
Supporting Deliberation and Resolution on Wikipedia
Google, Mountain View, CA
Systems to Improve Online Discussion
University of Washington DUB Retreat, Seattle, WA
Systems to Improve Online Discussion

UC San Diego Design@Large Seminar, San Diego, CA
    Systems to Improve Online Discussion
Twitter, San Francisco, CA
    Systems to Improve Online Discussion
Wikimania, Stockholm, Sweden
    Supporting Deliberation and Resolution on Wikipedia
Slack, San Francisco, CA
    Making Sense of Group Chat through Collaborative Tagging and Summarization
LibrePlanet, Cambridge, MA
    Panel: Large-scale Collaboration with Free Software
Princeton University Computer Science, Princeton, NJ
Microsoft Research, Redmond, WA
Northeastern University Computer Science, Boston, MA
Brown University Computer Science, Providence, RI
University of Washington Computer Science and Engineering, Seattle, WA
Georgia Tech Interactive Computing, Atlanta, GA
USC Computer Science, Los Angeles, CA
UC Berkeley Electrical Engineering and Computer Science, Berkeley, CA
UC San Diego Computer Science, San Diego, CA
Northwestern Computer Science, Evanston, IL
UC Irvine Informatics, Irvine, CA
NYU Stern, New York, NY
CMU HCI Institute, Pittsburgh, PA
Boston University Computer Science, Boston, MA
UMass Amherst Computer Science, Amherst, MA
UCLA Computer Science, Los Angeles, CA
    Systems to Improve Online Discussion
Computation + Journalism, University of Miami, FL
    Bridging Research and Practice towards Open Standards for Online Content

2018   **3rd State Attorney General Tech (AGTech) Forum**, Berkman Klein Center, Cambridge, MA
    Panel: Content Moderation, Search, and Speech
University of Michigan School of Information, Ann Arbor, MI
Rutgers University School of Information, New Brunswick, NJ
University of Maryland, College Park, MD
    Systems to Improve Online Discussion
UMass Amherst Computational Social Science Institute, Amherst, MA
    Systems to Improve Online Discussion
USENIX Security, Baltimore, MD
    Panel: "From Spam to Speech: Policing the Next Generation of 'Unwanted Traffic'"
RightsCon, Toronto, Canada
    Panel: "Automated Filtering and the Future of Free Expression Online"
2nd State Attorney General Tech (AGTech) Forum, Berkman Klein Center, Cambridge, MA
    AI Policy Pulse: Case Studies of City Governance of AI
International Journalism Festival, Perugia, Italy
    Panel: "Misinformation and AI, Challenges and Opportunities"
Exploring Media Ecosystems Workshop, MIT Media Lab, Cambridge, MA
    The Credibility Coalition: A Structured Response to Misinformation

CivilServant Community Research Summit, MIT Media Lab, Cambridge, MA
    Squadbox: A Tool to Fight Online Harassment with Friends

2017 **Computation + Journalism Conference**, Northwestern, Evanston, IL
    Panel: "Commenting and Community Engagement: New Approaches"

Microsoft Research Information and Data Sciences Group (CLUES), Redmond, WA
    Tilda: A Tool for Summarizing Chat Conversations

Microsoft FUSE Labs, Redmond, WA
    Tilda: A Tool for Summarizing Chat Conversations

Microsoft Research HCI Seminar, Redmond, WA
    Tilda: A Tool for Summarizing Chat Conversations

Chartbeat, New York, NY
    Characterizing Online Discussion Using Coarse Discourse Structures

Hacks/Hackers and Meedan Credibility Working Group, New York, NY
    Considering End Users in the Design of News Credibility Annotations

MIT Center for Civic Media, MIT Media Lab, Cambridge, MA
    Online Harassment, Gender Equality Policy, and Scaling Understanding on the Web

2016 **Wikimedia Foundation Research Showcase**, San Francisco, CA
    Designing and Building Online Discussion Systems

Common Sense Group, Google Research, Mountain View, CA
    Uncovering Question and Answer Content from Forums

Google PhD Fellowship Summit, Mountain View, CA
    Research at the Intersection of HCI and Machine Intelligence

Adobe Research, San Jose, CA
    Re-imagining Web Activity Tracking for Personal and Social Benefits

Stanford HCI Lunch, Palo Alto, CA
    Designing and Building Online Discussion Systems

MIT CSAIL Graphics Group, Cambridge, MA
    Discussions on the Web: Understanding and Design

Boston University Image and Video Computing Group, Boston, MA
    Human Evaluation and Refinement of Search Clusters

2015 **Google Research**, Mountain View, CA
    Refinery: Cluster Evaluation and Refinement using Crowd Workers for Mobile App Search

Harvard Berkman Center Cooperation Group, Cambridge, MA
    Mailing Lists: Why Are They Still Here, What's Wrong With Them, How Can We Fix Them?

2014 **MSR neXus Group**, Redmond, WA
    Modeling Ideology and Predicting Policy with Social Media: Case of Same-Sex Marriage

SERVICE

Steering Committee

2017–2019 ACM CSCW

Organizing Committee

2020 ACM UIST Posters Co-Chair
    ACM CSCW Demos Co-Chair

2019 ACM UIST Posters Co-Chair
    Conference for Truth and Trust Online

2016 ACM RecSys Student Volunteer Co-Chair

Program Committee

2020	ACM CSCW
	ACM CHI
	ACM UIST
	ACM ICWSM
	ACM CHIIR
	Computation + Journalism
	Wiki Workshop @ WebConf
2019	ACM CSCW
	ACM UIST
	Computation + Journalism
	ACM CHIIR
	AAAI ICWSM
	Free and Open Communications on the Internet (FOCI) @ USENIX
	Wiki Workshop @ WebConf
	ACM WebSci Posters
2018	ACM CSCW
	ACM CHI
	ACM SIGIR
	ACM CHIIR
	AAAI ICWSM
	WWW Misinformation Track
	ACM RecSys Posters and Demos
	ACM IUI Posters and Demos
	IEEE VL/HCC Workshop on Technologies for Human Problem Solving
2017	AAAI ICWSM
	ACM RecSys Posters
2016	ACM CHI Late-Breaking Work
	AAAI ICWSM
	ACM RecSys Posters
2014	AAAI ICWSM

Session Chair
CHI 2017-19, CSCW 2018

Reviewer
Conferences: CHI 2015-19, CSCW 2015-19, UIST 2016-19, ICWSM 2014-19, RecSys 2016-18, CHIIR 2018-19, IUI 2018, UbiComp 2014

Journals: Transactions on Social Computing (TSC), Transactions on Computer-Human Interaction (ToCHI), Journal of Data and Information Quality (JDIQ), Transactions on the Web (TWeb), Journal of the Association for Information Science and Technology (JASIST), Transactions on Interactive Intelligent Systems (TIIS)

Recognized for Excellence in Reviewing
CSCW 2015, CHI 2016-17

Student Volunteer
CSCW 2016, UIST 2016

Website

Organized Confer conference schedule manager for 15+ conferences

Local Service

2018   MIT CSAIL graduate admissions committee
Co-organizer of Boston CHI Labs

2017   MIT CSAIL graduate admissions committee
MIT CSAIL website redesign committee
Co-organizer of MIT CSAIL HCI Seminar Series
Co-organizer of Boston CHI Labs

Student Advising

Research Advisor to Stanford undergraduates

2020   Grant Hugh

Research Advisor to MIT/Harvard Masters students

2019   Jenny Fan, Masters in Design Engineering @ Harvard. Working on digital juries. [c.18][p.5]
Janet Sung, Masters in Design Engineering @ Harvard. Working on framing in news.
Sunny Tian, MEng Computer Science. Working on Wikum for collective action.

2018   Prateek Kukreja, MEng Computer Science. Working on Eyebrowse Project.

2017   Kaitlin Mahar, MEng Computer Science. *"Squadbox: A Tool to Combat Email Harassment Using Friendsourced Moderation"*. Now at MongoDB. [c.13]
Jessica Wang, MEng Computer Science, *"A System for Generating Empathy across Ideological Divides by Surfacing Moral Framing in News"*. Now at Figma.

Research Advisor to MIT undergraduates

2019   Hyunjong Lee (KAIST), Eric Lin

2018   Helen He, Kifle Woldu (SuperUROP), Julia Wu, Jenning Chen, Catherine Yao

2017   Jane Im (now PhD student at UMich) [c.15], Sunny Tian, Oliver Dunkley, Deepankar Gupta

2016   Kelly Zhang, Joy Yu, Joshua Blum (now at B12.io) [c.8]

2015   Bradley Eckert

2013–2017   Resident Tutor, **Cabot House, Harvard University**, Cambridge, MA
Perform residential duties at undergrad house of 200+ students, including study breaks, on-call help. 4 hours weekly of career advising, computer science tutoring, careers event planning. Individual mentorship paired with 7 incoming sophomores each year.

Selected Media Coverage

2019   Better Email Automation.
MIT News. Rachel Gordon. Apr 29, 2019.

2018   Get to Know Berkman Klein Fellow Amy Zhang.
Berkman Klein Center. Adam Nagy and Mai ElSherief. Dec 10, 2018.

Predictive Model Identifies Wikipedia Arguments that Will Never Get Resolved.
Campus Technology. Dian Schaffhauser. Nov 27, 2018.

A Third of Wikipedia Discussions Are Stuck in Forever Beefs.
Vice Motherboard. Samantha Cole. Nov 7, 2018.

10 out of 200: Fighting harassment—Amy X. Zhang improves our social media environment.
Heidelberg Laureate Forum. Von Jens-Steffen Scherer. Sept 20, 2018.

Inside MIT'S AI Workshop (included segment on Squadbox).
BBC Click TV Program. Hosted by Spencer Kelly. Jul 7, 2018.

Creating a circle of trust.
Gates Cambridge. Mandy Garner. Jun 22, 2018.

These academics are on the frontlines of fake news research.
Poynter Institute. Daniel Funke. May 8, 2018.

MIT creates tool to help curb cyber bullying.
Channel 7 News Boston TV Program. Apr 9, 2018.

New software by MIT, dubbed 'Squadbox,' hopes to combat cyberbullying.
ABC News. Dr. Laura Shopp. Apr 8, 2018.

With Squadbox, friends moderate harassing messages in your email.
Engadget. Mallory Locklear. Apr 6, 2018.

MIT has a new tool to combat online harassment: your friends.
The Verge. Shannon Liao. Apr 5, 2018.

MIT researchers created a new tool that lets your 'squad' combat online harassment.
Business Insider. Rachel Sandler. Apr 5, 2018.

How you and your friends can fight back against online trolls.
New Scientist. Nicole Kobie. Apr 5, 2018.

This MIT Tool enlists your squad to stop toxic internet harassers.
Fast Company Co.Design. Katharine Schwab. Apr 5, 2018.

2017   An Open Tool to Fight Harassment - Squadbox | An Open Project Spotlight.
Mozilla Open Leaders. Dec 15, 2017

The Credibility Coalition is working to establish the common elements of trustworthy articles.
Journalism.co.uk. Catalina Albeanu. Oct 30, 2017.

Wikimedia Research Newsletter, June 2017 (section on Wikum).
Wikimedia Foundation. Baha Mansurov. Sept 16, 2017.

Coarse Discourse: A Dataset for Understanding Online Discussions.
Google AI Blog. Praveen Paritosh. May 16, 2017.

Cutting down the clutter in online conversations.
MIT News. Rachel Gordon. Mar 9, 2017.

2016   Eyebrowse project lets users make web browsing history public.
CBC News and Public Radio Program. Dan Misener. Mar 08, 2016.

MIT's Eyebrowse lets users make their browsing history public.
ComputerWorld. Sharon Gaudin. Mar 8, 2016.

Eyebrowse Aims to Socialize Your Web Surfing Experience
Inverse. Joe Carmichael. Mar 7, 2016.

MIT proposes 'Eyebrowse' scheme to rank and review the entire internet.
The Stack. Martin Anderson. Mar 7, 2016.

System lets web users share aspects of their browsing history with friends.
Phys.org. Larry Hardesty. Mar 7, 2016.

2015   One way to reduce email stress: Re-invent the mailing list.
MIT News. Adam Conner-Simons. Apr 27, 2015.

2014   Why Media Bias Has Nowhere to Run and Hide from Data Science.
CrowdFlower. Renette Youssef. Dec 19, 2014.

OUTREACH & EXTRACURRICULARS

2020–2021   Member, **ACM Future Computing Academy**, International
Organization to start new initiatives in the ACM.

2017–   Founding Member, **Credibility Coalition**, International
Organization to support research on indicators for news credibility. Led first research project [c.14], leading UX working group. Received grants from Google News Initiative, Facebook Journalism Project, Craig Newmark Philanthropies. Partnership with Jigsaw.

2018–   Member, **Berkman Klein Center - MIT Media Lab AI Assembly**, Cambridge, MA
Selected to participate in a semester-long collaborative development project to explore issues in the ethics and governance of AI. Conducting interviews and surveys of municipal leaders.

Nov 2017   Coordinator, **Collective Intelligence for Democracy, MediaLab-Prado**, Madrid, ESP
Led a team of 7 people in a two-week hackathon on the Wikum project [c.11]. Demoed to Decide Madrid creators and Madrid city council. Presentation at Democratic Cities conference.

Oct 29 2017   Facilitator, **Designing Against Online Harassment, Mozilla Festival**, London, UK
Co-facilitated design workshop on combating online harassment with 20 participants.

Oct 28 2017   Facilitator, **Tackling the Misinformation Problem, Mozilla Festival**, London, UK
Co-facilitated workshop on tackling misinformation with 50 participants, organized by Meedan and Hacks/Hackers.

Sept-Dec 2017   Participant, **Mozilla Open Leaders Program**, Online
Received weekly training and mentorship on open source leadership on the Squadbox project.

2016–2017   Co-Organizer, **CODEX Literary Hackathon, MIT Media Lab**, Cambridge, MA
Helped organize 2-day hackathon for 100 people on projects at the intersection of literature and technology.

Jan 24 2015   Facilitator, **HackLearning Design Workshop**, MIT, Cambridge, MA
Taught user interface design course to 30 students at workshop sponsored by Accenture.

2014–   Volunteer Assistant Coach, **MIT Varsity Women's Tennis**, Cambridge, MA

2011–2012   1st Team, **Cambridge Varsity Women's Tennis Blues Squad**, Cambridge, UK
4 practices/week, weekly competitions in UK and Portugal, defeated Oxford at Varsity Match.

2007–2011   President, **Women in Computer Science at Rutgers**, New Brunswick, NJ
Organized career, social, and tutoring events and fundraising for Nigerian nonprofit W.TEC.

2007–2011   Captain, 1st position, **Rutgers Division I Varsity Women's Tennis**, New Brunswick, NJ
Led team of 8 players for 3 hours/day practices, weekly competitions, and travel. Big East.

2009–2011   Executive Board, **Rutgers Student-Athlete Advisory Committee**, New Brunswick, NJ
Organized volunteer, social events for student-athletes: soup kitchen, toy drive, fundraising.

Athletic and Sportsmanship/Leadership Awards

2012	Awarded a Cambridge Full Blue for defeating Oxford at Annual Oxbridge Varsity Match
2011	National Arthur Ashe Jr. Sportsmanship and Leadership Award (presented at U.S. Open)
	Academic National All-American 3rd Team
	Big East Postgraduate Leadership Award - $7,500
	Big East Scholar Athlete of the Year - $7,000
	Rutgers Athletic Dept. Headley-Singer Award, Sonny Werblin Award, and Leadership Award
	Voted Captain of the Tennis Team
	Ranked nationally in doubles, regionally in the Northeast U.S. in singles
2010	Voted Most Valuable Player
	New Jersey Assoc. of Intercollegiate Athletics for Women – Rutgers Woman of the Year
	Big East Conference Sport Excellence Award
2009	New Jersey Female Athlete of the Year
2008	Rutgers Freshman Athlete of the Year
	Awarded Full Athletic Scholarship to Rutgers