

Computer Science Artificial Intelligence Lab
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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 Conference Papers

- [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].

Refereed Journal Articles

- [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.

Poster and Work-in-Progress Papers

- [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 Diakopoulos, 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 Diakopoulos, **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 Re-

finement 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, Lihan 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

- 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 Seminar**, 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**
- 2017–2019 **Steering Committee**
ACM CSCW
- Organizing Committee**
- 2020 ACM UIST Posters 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
- 2019 Computation + Journalism
ACM CSCW
ACM UIST
Computation + Journalism
ACM CHIIR
AAAI ICWSM
- 2018 Free and Open Communications on the Internet (FOCI) @ USENIX
Wiki Workshop @ WebConf
ACM WebSci Posters
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 MIT/Harvard Masters students

- 2019 Jenny Fan, Masters in Design Engineering @ Harvard. Working on digital juries. [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

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, **W3C Credible Web Community Group**, International

Organization to develop inter-operable web standards for online content credibility, including around fact-checking, credibility indicators, transparency, and reputation.

Spring 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

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