

# Dr. Andrés Monroy-Hernández

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## Research Interests

I design and study technologies that enable people to connect and collaborate in new ways. I work in the fields of Human-computing Interaction and Social Computing. I have worked on various domains including education, creativity, play, games, civic tech, productivity, and accessibility. I use a wide range of technologies including crowdsourcing, bots, augmented reality, smart glasses, smart watches, augmented reality, social media, web, and mobile.

## Professional Experience

2021-present	<i>Director</i> , <a href="#">Human Computer Interaction Lab</a> , Princeton University, Princeton, NJ
2021-present	<i>Assistant Professor</i> , <a href="#">Computer Science</a> , Princeton University, Princeton, NJ
2021-present	<i>Associated Faculty</i> , <a href="#">Keller Center for Innovation in Engineering Education</a> , Princeton University, Princeton, NJ
2021-present	<i>Associated Faculty</i> , <a href="#">Center for Information Technology and Policy</a> , Princeton University, Princeton, NJ
2021-present	<i>Associated Faculty</i> , <a href="#">Program in Latin American Studies</a> , Princeton University, Princeton, NJ
2017-present	<i>Principal Research Scientist, Manager</i> , <a href="#">Snap Inc.</a> Seattle, WA Reporting to Bobby Murphy, co-founder and CTO
2019-present	<i>Affiliate Professor</i> , <a href="#">Paul G. Allen School of Computer Science &amp; Engineering</a> , University of Washington. Seattle, WA
2014-present	<i>Affiliate Professor</i> , <a href="#">Human Centered Design and Engineering Department</a> and <a href="#">Department of Communication</a> , University of Washington. Seattle, WA
2012-2017	<i>Researcher</i> , <a href="#">Microsoft Research</a> , Future Social Experiences Labs. Redmond, WA Reported to Lili Cheng, Corporate Vice President
2011-2012	<i>Postdoc</i> , <a href="#">Microsoft Research</a> . Cambridge, MA Reported to danah boyd, Principal Researcher
2010	<i>Intern</i> , <a href="#">Microsoft Research</a> . Cambridge, MA Reported to danah boyd, Principal Researcher
2001-2005	<i>Software Engineer</i> , <a href="#">Ex Libris Group</a> . Newton, MA Reported to Oren Beit-Arie, Chief Strategy Officer
2000	<i>Intern</i> , <a href="#">Los Alamos National Laboratory</a> . Los Alamos, NM

## Education

2012	Ph.D., Media Arts and Sciences, <a href="#">MIT Media Lab</a> Dissertation: <a href="#">Designing for Remixing — Supporting an Online Community of Amateur Creators</a> Committee: Mitchel Resnick (chair), Yochai Benkler, Rob Miller, Tim Berners-Lee (examiner)
2007	MS, Media Arts and Sciences, <a href="#">MIT Media Lab</a> Committee: Mitchel Resnick (chair), Sandy (Alex) Pentland, Henry Jenkins

2001 BS, Computer Engineering, [Tecnológico de Monterrey](#)

## Honors and Awards

2021 ACM CHI '21, Best paper honorable mention for "[Significant Otter: Understanding the Role of Biosignals in Communication](#)"

2016 ACM CSCW '16, Best paper honorable mention for "[Remixing as a Pathway to Computational Thinking](#)"

2015b AAAI HCOMP '15, Best paper award for "[Crowdsourcing in the Field: a Case Study Using Local Crowds for Event Reporting](#)"

2015a ACM CHI '15, Best paper honorable mention for "[Mudslide: A Spatially Anchored Census of Student Confusion for Online Lecture Videos](#)"

2014 ACM CHI '14, Best paper award for "['Narco' Emotions: Affect and Desensitization in Social Media during the Mexican Drug War](#)"

2013b ACM CHI '13, Best paper honorable mention for "[Whoo.ly: Facilitating Information Seeking for Hyperlocal Communities Using Social Media](#)"

2013a ACM CSCW '13, Best paper award for "[The cost of collaboration for code and art: Evidence from a remixing community](#)"

2013 CNET's Most Influential Latinos in Technology

2013 MIT Technology Review, TR35 Innovator under 35 (Latin America)

2012 Boston Business Journal, Emerging Leader

2011 ACM CHI '11, Best paper honorable mention for "[Computers can't give credit: How automatic attribution falls short in an online remixing community](#)"

2011 AAAI ICWSM 2011, Best paper award for "[4chan and /b/: An Analysis of Anonymity and Ephemerality in a Large Online Community](#)"

2011 Fellowship, Berkman Center for Internet & Society at Harvard University

2009 Amazon.com Research Award

2008b MacArthur Foundation Digital Media and Learning Competition Winner

2008a Bradesco Fellowship at the MIT Media Lab

2007 Samsung Fellowship at the MIT Media Lab

2005-2006 Telmex Fellowship at the MIT Media Lab

## Publications

### CONFERENCE PROCEEDINGS

2021b Chen, M., **Monroy-Hernández, A.**, Sra, M., "SceneAR: Scene-based Micro Narratives for Sharing and Remixing in Augmented Reality," *Proceedings of the IEEE International Symposium on Mixed and Augmented Reality (ISMAR '21)*.

2021a Liu, F., Park, C., Tham, Y.J., Tsai, T., Dabbish, L., Kaufman, G., **Monroy-Hernández, A.**, "Significant Otter: Understanding the Role of Biosignals in Communication," *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI '21)*. **Best Paper Honorable Mention**

2020b Mack, K., Bragg, D., Morris, M.R., Bos, M., Albi, I., **Monroy-Hernández, A.**, "Social App Accessibility for Deaf Signers," *Proceedings of the ACM Conference on Computer Supported Collaborative Work (CSCW '20)*.

2020a Chen, Y., **Monroy-Hernández, A.**, Wherman, I., Oney, S., Lasecki, W., Vaish, R. "Sifter: A Hybrid Workflow for Theme-based Video Curation at Scale." *Proceedings of the ACM International Conference on Interactive Media Experiences (IMX '20)*.

- 2019c Guo, A., Cranbek, I., Murphy, H., **Monroy-Hernández, A.**, Vaish, R. “Blocks: Collaborative and Persistent Augmented Reality Experiences,” *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*. (IMWUT/UbiComp ’19)
- 2019b Liu, F., Esparza, M., Pavlovskaya, M., Kaufman, G., Dabbish, L., **Monroy-Hernández, A.**, “Animo: Sharing Biosignals on a Smartwatch for Lightweight Social Connection,” *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*. (IMWUT/UbiComp ’19)
- 2019a Bipat, T., Boss, M., Vaish, R., **Monroy-Hernández, A.**, “Analyzing the use of camera glasses in the wild,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’19)
- 2018 Toxtli, C., Cranshaw, J.B., **Monroy-Hernández, A.**, “Understanding Chatbot-mediated Task Management,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’18)
- 2017 Cranshaw, J. B., Elwany, E., Newman, T., Kocielnik, R., Yu, B. Soni, S., Teevan, J., **Monroy-Hernández, A.**, “Calendar.help: Designing a Workflow-Based Scheduling Agent with Humans in the Loop,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’17)
- 2016g Amini, F., Riche, N.H., Lee, B., **Monroy-Hernández, A.**, Irani, P., “Authoring Data-Driven Videos with DataClips,” *Proceedings of the IEEE Information Visualization* (InfoVis ’16)
- 2016f Spiro, E. S., Matias, J.N., **Monroy-Hernández, A.**, “Networks of Gratitude: a Case Study of an Enterprise Thanks System,” *Proceedings of the AAAI International Conference on Weblogs and Social Media* (ICWSM ’16)
- 2016e Cranshaw, J., **Monroy-Hernández, A.**, Needham, S.A., “Journeys & Notes: Designing Social Computing for Non-Places,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’16)
- 2016d Kiene, C., **Monroy-Hernández, A.**, Hill, B.M., “Surviving an ‘Eternal September’: How an Online Community Managed a Surge of Newcomers,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’16)
- 2016c Kim, J., **Monroy-Hernández, A.**, “Storia: Summarizing Social Media Content based on Narrative Theory using Crowdsourcing,” *Proceedings of the ACM Conference on Computer Supported Collaborative Work and Social Computing* (CSCW ’16)
- 2016b Dasgupta, S., Hale, W., **Monroy-Hernández, A.**, Hill, B.M., “Remixing as a Pathway to Computational Thinking,” *Proceedings of the ACM Conference on Computer Supported Collaborative Work and Social Computing* (CSCW ’16) — **Best Paper Honorable Mention**.
- 2016a Savage, S., **Monroy-Hernández, A.**, Höllerer, T., “Botivist: Calling Volunteers to Action using Online Bots,” *Proceedings of the ACM Conference on Computer Supported Collaborative Work and Social Computing* (CSCW ’16)
- 2015e Agapie, E., Teevan, J. **Monroy-Hernández, A.**, “Crowdsourcing in the Field: A Case Study Using Local Crowds for Event Reporting,” *Proceedings of the Third AAAI Conference on Human Computation and Crowdsourcing* (HCOMP ’15) — **Best Paper Award**.
- 2015d Savage, S., **Monroy-Hernández, A.**, Bhattacharjee, K., Höllerer, T., “Tag Me Maybe: Perceptions of Public Targeted Sharing on Facebook,” *Hypertext: 26th ACM Conference on Hypertext and Social Media 2015*. (HT ’15)
- 2015c Kim, J., Glassman, E.L., **Monroy-Hernández, A.**, Morris, M.R., “RIMES: Embedding Interactive Multimedia Exercises in Lecture Videos,” *Proceedings the ACM Conference on Human Factors in Computing Systems* (CHI ’15)
- 2015b Glassman, E.L., Kim, J., **Monroy-Hernández, A.**, Morris, M.R., “Mudslide: A Spatially Anchored Census of Student Confusion for Online Lecture Videos,” *Proceedings the ACM Conference on Human Factors in Computing Systems* (CHI ’15) — **Best Paper Honorable Mention**.
- 2015a Savage, S., **Monroy-Hernández, A.**, “Participatory Militias: An Analysis of an Armed Movement’s Online Audience,” *Proceedings of the ACM Conference on Computer Supported Collaborative and Social Computing Work* (CSCW ’15)
- 2014c Zhang, H., **Monroy-Hernández, A.**, Shaw, A., Munson, S., Gerber, E., Hill, B.M., Kinnaird, P., Farnham, S., Minder, P., “WeDo: End-To-End Computer Supported Collective Action,” *Proceedings of the AAAI International Conference on Weblogs and Social Media* (ICWSM ’14)

- 2014b Rzeszotarski, J.M., Spiro, E.S., Matias, J.N., **Monroy-Hernández, A.**, Morris, M.R., “Is Anyone Out There? Unpacking Q&A Hashtags on Twitter,” *Proceedings the ACM Conference on Human Factors in Computing Systems* (CHI ’14)
- 2014a De Choudhury, M., **Monroy-Hernández, A.**, Mark, G., ““Narco” Emotions: Affect and Desensitization in Social Media during the Mexican Drug War,” *Proceedings the ACM Conference on Human Factors in Computing Systems* (CHI ’14) — **Best Paper Award**
- 2013c **Monroy-Hernández, A.**, De Choudhury, M., Kiciman, E. , boyd, d., Counts, S., “The New War Correspondents: The Rise of Civic Media Curation in Urban Warfare,” *Proceedings of the ACM Conference on Computer Supported Collaborative Work* (CSCW ’13)
- 2013b Hu, Y., Farnham, S. , **Monroy-Hernández, A.**, “Whoo.ly: Facilitating Information Seeking For Hyperlocal Communities Using Social Media,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’13) — **Best Paper Honorable Mention**
- 2013a Hill, B.M., **Monroy-Hernández, A.**, “The cost of collaboration for code and art: Evidence from a remixing community,” *Proceedings of the ACM Conference on Computer Supported Collaborative Work* (CSCW ’13) — **Best Paper Award**
- 2012b **Monroy-Hernández, A.**, Kiciman, E., boyd, d., Counts, S., “Narcotweets: Social Media in Wartime,” *Proceedings of the AAAI International Conference on Weblogs and Social Media* (ICWSM ’12)
- 2012a Mustafaraj, E., Metaxas, P., Finn, S. **Monroy-Hernández, A.**, “Hiding in Plain Sight: A Tale of Trust and Mistrust inside a Community of Citizen Reporters,” *Proceedings of the AAAI International Conference on Weblogs and Social Media* (ICWSM ’12)
- 2011e **Monroy-Hernández, A.**, Hill, B.M., González-Rivero, J., boyd, d., “Computers can’t give credit: How automatic attribution falls short in an online remixing community,” *Proceedings of the ACM Conference on Human Factors in Computing Systems* (CHI ’11) — **Best Paper Honorable Mention**
- 2011d Bernstein, M.S., **Monroy-Hernández, A.**, Harry, D., André, P., Panovich, K., Vargas, G., “4chan and /b/: An Analysis of Anonymity and Ephemerality in a Large Online Community,” *Proceedings of the AAAI International Conference on Weblogs and Social Media* (ICWSM ’11) — **Best Paper Award**
- 2011c Nickerson, J.V., **Monroy-Hernández, A.**, “Appropriation and Creativity: User-initiated Contests in Scratch,” *Proceedings of the Hawaii International Conference on System Sciences* (HICSS ’11)
- 2011b Kafai, Y., Roque, R., Fields, D., **Monroy-Hernández, A.**, “Collaboration by Choice: Youth On-line Creative Collabs in Scratch,” *Proceedings of International Conference on Computers in Education* (ICCE ’11)
- 2011a Burke, W., **Monroy-Hernández, A.**, Kafai, Y., “Tagging in a Community of Media Creators: Practices that make programs popular in Scratch Online,” *Proceedings of the American Educational Research Association Annual Meeting* (AERA ’11)
- 2010 Hill, B.M., **Monroy-Hernández, A.**, Olson, K.R., “Responses to remixing on a social media sharing website,” *Proceedings of the AAAI International Conference on Weblogs and Social Media* (ICWSM ’10)
- 2009b Aragon, C., Poon, S., **Monroy-Hernández, A.**, and Aragon, D., “A tale of two online communities: Fostering collaboration and creativity in scientists and children,” *Proceedings of the ACM Conference on Creativity and Cognition* (C&C ’09)
- 2009a Brennan, K., **Monroy-Hernández, A.**, and Resnick, M., “Scratch: Creating and sharing interactive media” (workshop), *Proceedings of the International Conference on Computer Supported Collaborative Learning* (CSCL ’09)
- 2007 **Monroy-Hernández, A.**, “ScratchR: sharing user-generated programmable media”, *Proceedings of ACM Interaction Design and Children* (IDC ’07)
- 2001 Di Giacomo, M., Mahoney, D., Bollen, J., **Monroy-Hernández, A.**, and Ruiz, C. M., “A personalization service for digital library environments,” *Proceedings of the DELOS-NSF Workshop on Personalisation and Recommender Systems in Digital Libraries*.

## JOURNAL ARTICLES

- 2017 Hill, B. M., **Monroy-Hernández, A.**, “A longitudinal dataset of five years of public activity in the Scratch online community,” *Nature*, Scientific Data 4, Article number: 170002.
- 2016 Spiro, E. S., **Monroy-Hernández, A.**, “Shifting Stakes: Understanding the Dynamic Roles of Individuals and Organizations in Social Media Protests,” *PLoS ONE* 11(10): e0165387.
- 2014 **Monroy-Hernández, A.**, Palacios, L.D., “Blog del Narco and the Future of Citizen Journalism,” *Georgetown Journal of International Affairs*
- 2014 Shaw, A., Zhang, H., **Monroy-Hernández, A.**, Munson, S., Hill, B.M., Gerber, E., Kinnaird, P., Minder, P., “Computer Supported Collective Action,” *ACM interactions*
- 2013b **Monroy-Hernández, A.**, Farnham, S., Kiciman, E., De Choudhury, M., Counts, S., “Smart societies: from citizens as sensors to collective action,” *ACM interactions*
- 2013a Hill, B.M., **Monroy-Hernández, A.**, “The Remixing Dilemma: the Trade-off between Generativity and Originality,” *American Behavioral Scientist*
- 2012 **Monroy-Hernández, A.**, Dezuanni, M., “Prosuming across Cultures: Youth Creating and Discussing Digital Media across Borders,” *Comunicar*
- 2011 Brennan, K., **Monroy-Hernández, A.**, Resnick, M., “Making Projects, Making Friends: Online Community as Catalyst for Interactive Media Creation,” *Journal of New Directions of Youth Development*
- 2009b Zuckerman, O., Blau, I., and **Monroy-Hernández, A.**, “Children’s participation patterns in online communities: An analysis of Israeli learners in the scratch online community,” *Interdisciplinary Journal of E-Learning and Learning Objects* 5: 263-274.
- 2009a Resnick, M., Maloney, J., **Monroy-Hernández, A.**, et al, “Scratch: Programming for All,” *Communications of the ACM* 52, 11: 60-67
- 2008 **Monroy-Hernández, A.** and Resnick, M., “Empowering kids to create and share programmable media,” *ACM interactions* 15, 2: 50-53.

## BOOK CHAPTERS

- 2020 Dasgupta, S., Hill, B.M., and **Monroy-Hernández, A.**, “Engaging Learners in Constructing Constructionist Environments,” to appear in *Constructionism in Context*, MIT Press.
- 2010 **Monroy-Hernández, A.**, Dezuanni, M. and Kuikkanen, K., “Media Literacy in the Facebook Age: Designing Online and Face to Face Learning Environments,” in *Nexus: New Intersections in Internet Research*, Peter Lang Publisher.

## PANELS

- 2019 Young, M., Katell, M., Krafft, P., Irani, L., Salehi, N., Pal, J., **Monroy-Hernández, A.**, Churchill, E., “Patron or Poison: Industry Funding and HCI Research,” to appear in *Companion of Proceedings of the ACM Conference Companion on Computer Supported Cooperative Work Social Computing (CSCW ’19)*
- 2019 Lampinen, A., Bellotti, V., **Monroy-Hernández, A.**, Cheshire, C., Samuel, A., “Studying the ‘Sharing Economy’: Perspectives to Peer-to-Peer Exchange,” *Companion of Proceedings of the ACM Conference Companion on Computer Supported Cooperative Work Social Computing (CSCW ’15)*
- 2014 Wyche, S., Lampe, C., Rangaswamy, N., Peters, A., **Monroy-Hernández, A.**, Antin, J., “Facebook in the developing world: the myths and realities underlying a socially networked world.” *Companion of Proceedings of the ACM Conference Companion on Computer Supported Cooperative Work Social Computing (CSCW ’14)*.
- 2012 Bernstein, M., Conover, M., Hill, B.M., **Monroy-Hernández, A.**, Keegan, B., Shaw, A., Yardi, S., Geiger, R.S., Bruckman, A., “Fail whaling: designing from deviance and failures in social computing,” *Extended Abstracts the ACM Conference on Human Factors in Computing Systems (CHI ’12)*.



## WORKSHOPS

- 2020 Hirskeyj-Douglas, I., Kantosalo, A., **Monroy-Hernández, A.**, Zimmermann, J., Nebling, M., Gonzalez-Franco, M., "Social AR: Reimagining and Interrogating the Role of Augmented Reality in Face to Face Social Interactions," In *Companion of Proceedings of the ACM Conference Companion on Computer Supported Cooperative Work Social Computing (CSCW '20)*
- 2019 Gleason, C., Carrington, P., Chilton, L., Gorman, B., Kacorri, H., **Monroy-Hernández, A.**, Morris, M.R., Tigwell, G., and Wu, S., "Addressing the Accessibility of Social Media," To appear in *Companion of Proceedings of the ACM Conference Companion on Computer Supported Cooperative Work Social Computing (CSCW '19)*
- 2019 Jacques, R. Følstad, A., Gerber, E., Grudin, J., **Monroy-Hernández, A.**, Wang, D., "Conversational Agents: Acting on the Wave of Research and Development", *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI '19)*
- 2015 Daly, E., Erete, S., Farzan, R., Hsieh, G., Lampe, C., Lopez, C., **Monroy-Hernández, A.**, Quercia, D., Schwartz, R., Volda, "A. Supporting Cities, Neighborhoods, and Local Communities with Information and Communication Technologies" in *Companion of Proceedings of the ACM Conference Companion on Computer Supported Cooperative Work & Social Computing (CSCW '15)*

## POSTERS

- 2014 Matias, J.N., **Monroy-Hernández, A.**, "NewsPad: Designing for Collaborative Storytelling in Neighborhoods," *Extended Abstracts the ACM Conference on Human Factors in Computing Systems (CHI '14)*
- 2013 Hallacher, S., Rodenhouse, J. , **Monroy-Hernández, A.**, "Mixsourcing: a remix framework as a form of crowdsourcing," *Extended Abstracts the ACM Conference on Human Factors in Computing Systems (CHI '13)*
- 2010 **Monroy-Hernández, A.** and Hill, B. M., "Cooperation and attribution in an online community of young creators," *Proceedings of the ACM Conference on Computer Supported Collaborative Work (CSCW '10)*
- 2010 Seneviratne, O., **Monroy-Hernández, A.**, "Remix Culture on the Web: A Survey of Content Reuse on Different User-Generated Content Websites," *Proceedings of Web Science Conference (Web Sci '10)*
- 2009 **Monroy-Hernández, A.**, "Designing a website for creative learning," *Proceedings of Web Science Conference (Web Sci '09)*

## Public Writing

- 2017 **Monroy-Hernández, A.** and Cranshaw, J., [How We Built a Virtual Scheduling Assistant at Microsoft](#). Harvard Business Review.
- 2016 **Monroy-Hernández, A.**, [Líneas de ensamblaje digital](#) (in Spanish). El País.
- 2013a **Monroy-Hernández, A.** and Spiro, E.S., [How Brazilian protesters are using Twitter](#). The Guardian.
- 2011 **Monroy-Hernández, A.**, [Mexico murders show how Internet empowers, threatens](#). CNN Op-Ed.
- 2011b **Monroy-Hernández, A.**, [Shouting Fire in a Crowded Hashtag: Narco Censorship & "Twitteroristas" in Mexico's Drug Wars](#). The New York Times.
- 2011a **Monroy-Hernández, A.**, [Gritar fuego con un hashtag o las consecuencias del supuesto twitterorismo](#). Nexos.

## Patents

2021b	Dynamic parameterized user avatar stories
2021a	Non-textual communication and user states management
2020b	Product verification in a messaging system
2020a	Conditional modification of augmented reality object
2019	Signal analysis in a conversational scheduling assistant computing system
2018	Dynamic directed graph workflows
2017d	Privilege-based Task Processing at a Virtual Assistant
2017c	Automated task processing with escalation
2017b	Identifying and assigning microtasks
2017a	Animated data visualization video
2016c	Automating task processing
2016b	Interaction Framework for Executing User Instructions with Online Services
2016a	Outsourcing Document-Transformation Tasks while Protecting Sensitive Information
2015	Tangibilization of geocoded data
2014	Obtaining Hyperlocal Content from Social Media

## Research Turned into Products

2020-2021	<i>Project IRL</i> . I led a team that launched a suite of co-located Augmented Reality experiences used by <b>millions of people</b> on Snapchat designed to foster playful in-person interactions.
2020-2021	<i>Significant Otter</i> and <i>BFF</i> . I led a team that launched two experimental Apple Watch apps for couples used by <b>tens of thousands of people</b> . The app explored new ways of leveraging biosignals to support more authentic interactions among close ties. The apps were recognized and featured by Apple and Product Hunt.
2015-2017	<i>Calendar.help</i> . I led a team at Microsoft Research that created a virtual scheduling assistant powered by human and machine intelligence. The product was released as a <i>Microsoft's Office</i> service, and the assistant branded as a <i>Cortana</i> . The product is now used by <b>thousands of organizations</b> .
2014	<i>Journeys and Notes</i> . I led a team at Microsoft Research that created an urban computing app for travelers and commuters to connect with one another. The app was released on Google Play and was installed by <b>tens of thousands of people</b> from around the world.
2007-2012	<i>Scratch Online Community</i> . I led a team at MIT that created the Scratch online community, a website where children from around the world learn to program, share, and remix animations and video games. The community has grown to over <b>40 million users</b> from around the world.
2007	<i>Sana</i> . Along with physician Leo Celi, I developed a mobile health app for nurses to share images of pre-cancerous tissue with remote doctors. This project was piloted with a health organization in Zambia, and is now an academic program at MIT.

## Invited presentations

2021	Princeton Center for Information Technology Policy Seminar on Designing and Deploying Social Computing Systems
2021	Keynote speaker at the CHI 2021 Workshop on <i>Social Media as a Design and Research Site in HCI</i>
2019	<i>Designing and Deploying Social Computing Systems inside and outside the Lab</i> , HCI Seminar, Stanford, CA
2019	<i>Expressive Biosignals: Lightweight Social Cues for Social Connection</i> . DUB Seminar, with Intern Fannie Liu, UW, Seattle, WA

2019 [Keynote Speaker, ACM Collective Intelligence](#), CMU, Pittsburgh, PA

2018 [Turning Social Computing Research into Products](#). UC Irvine Seminar, Irvine, CA

2018 [Crowdsourcing News Production](#). Presenter. MISC Seminar, U. of Michigan, Ann Arbor, MI

2016 [Studying and Designing Civic Tech](#). Presenter. HCII Seminar, CMU, Pittsburgh, PA

2016 [Studying and Designing Civic Technologies](#). Presenter. HCI Seminar, Georgia Tech, Atlanta, GA

2015 [Collaborative News](#). Presenter. Personal Democracy Forum, New York, NY

2014 [The Non-Place Project](#). Ignite Presentation. Code for America Summit, San Francisco, CA

2014 [Collaborative News: From "Narcotweets" to Journalism-as-a-Service](#). Invited speaker. Stanford Human-Computer Interaction Seminar, Stanford, CA

2014 [Fireside Chat: Discussing the Hard-hitting Problems](#). Panelist (with Qi Lu, Stuart Feldman, Pardha Pyla) . ACM Tapia Conference, Seattle, WA

2014 [The LOLs of Nations: Understanding Global Memes](#). Panelist. South by South West (SXSW), Austin, TX

2013 [From Narcotweets to Newspad](#). Invited speaker. UW Department of Communications, Seattle, WA

2013 [The Rise of Citizen News Reporting in Urban Warfare](#). Invited speaker. UC Irvine, Informatics Seminar. Irvine, CA

2013 [Society, Politics and the Algorithm: Social Science in the Lab](#). Invited speaker. MSR NE 5th Anniversary Symposium. Cambridge, MA

2013 [Open Space and Place](#). Invited speaker. MIT Center for Civic Media Conference. Cambridge, MA

2013 [Designing for Remixing](#). Guest speaker. HCII Carnegie Mellon University, Pittsburgh, PA

2013 [Understanding Mexico's Epidemic of Violence: Telling Stories with New Media, Technology, and Big Data](#). Invited speaker. Cato Institute. Washington, DC

2012 [#Hashtags versus Talking Heads: How Mexicans are Using Social Media to Fight Narco-Censorship and Political Manipulation](#). Invited speaker. Wellesley College. Wellesley, MA

2012 [#Narcotweets: Reporting on the Mexican Drug War using Social Media](#). Invited speaker. Berkman Center for Internet and Society, Harvard University. Cambridge, MA

2012 [Designing Creative Online Communities for Kids](#). Solo presenter. South by South West (SXSW). Austin, TX

2012 [Designing for Remixing: Computer-supported Social Creativity](#) (job talk). Yale University, Department of Computer Science

2012 [Designing for Remixing: Computer-supported Social Creativity](#) (job talk). University of Washington, Human Centered Design and Engineering Department

2012 [Designing for Remixing: Computer-supported Social Creativity](#) (job talk). University of Michigan, School of Information

2012 [Designing for Remixing: Computer-supported Social Creativity](#) (job talk). University of Washington, School of Information

2012 [Designing for Remixing: Computer-supported Social Creativity](#) (job talk). Northwestern University, School of Communication

2012 [Designing for Remixing: Computer-supported Social Creativity](#). Invited speaker. Berkman Center for Internet and Society, Harvard University. Cambridge, MA

2011 [Copyright and Freedom of Expression: The Social Impact of Communication Scholarship](#). Panelist at plenary session (with Steve Anderson, Francesca Coppa, Andrew Kenyon, and Jonathan Zittrain, and Patricia Aufderheide). Conference of the International Communication Association. Boston, MA

2010 [Introduction to Social Computing](#). Invited speaker. Computer Science Department at The College of New Jersey. Ewing, NJ

2010 [Remixing and Online Communities](#). Invited speaker. Harvard-MIT-Yale Cyberscholars. Cambridge, MA

2009 [Symposium on Cloud Intelligence](#). Invited speaker. Ars Electronica. Austria

2009 [Designing for Participation and Collaboration](#). Invited speaker. Computational Science and Engi-



- neering Seminars. Lawrence Berkeley Laboratory. Berkeley, CA
- 2007 User-created Content: What are the Impacts? Invited speaker. Technology Foresight Forum on the Participative Web, Organization for Economic Co-operation and Development (OECD), Strategies and Policies for the Future. Canada
- 2007 Technology and Education. Invited speaker. Northeastern University, ACM Chapter. Boston, MA

## Press

- 2016 [El rey de las comunidades virtuales también es mexicano.](#) Newsweek
- 2015 [Pro-Government Twitter Bots Try to Hush Mexican Activists.](#) Wired
- 2015 ['Minecraft' impulsa el aprendizaje en CA.](#) Univision
- 2015 [Mapping Mexico's deadly drug war.](#) Science
- 2015 [Civic Tech: Why We Need to Focus on Problems That Really Matter.](#) Huffington Post
- 2015 [The Rise of the Urban War Correspondent on Twitter.](#) MIT Technology Review
- 2015 [Civic Tech: Why We Need to Focus on Problems That Really Matter.](#) Huffington Post
- 2015 [Mexican vigilante groups take drug war online.](#) FUSION News
- 2014 [Microsoft Garage expands to include exploration, creation of cross-platform consumer apps.](#) The Fire Hose
- 2014 [The Unrepentant Bootlegger.](#) The New York Times
- 2014 [Mexicans Are Losing Mobile Service During Drug-War Shootouts.](#) Vice News
- 2014 [As Drug War Rages, Tweets Reveal Mexicans' Emotional Numbness.](#) Scientific American
- 2014 [From Tinder Bots To 'Cuban Twitter', Welcome To 'Cognitive Hacking'.](#) Forbes
- 2014 [Can Social Media Help Direct Mental Health Aid?.](#) NBC News
- 2014 [Meme und Emojis als Weltsprachen: Achtung, jetzt kommt ein Witz.](#) Spiegel
- 2014 [There are no new ideas, only remixes.](#) Financial Times
- 2013 [La Vida de Los Hijos del Chapo, segun Twitter.](#) Emeequis
- 2013 [Los latinos más influyentes: la nueva generación.](#) CNET
- 2013 ["El anonimato en las redes ayuda a combatir el narco".](#) El País
- 2013 [Microsoft Research launches Whooly localized Twitter project.](#) Seattle Times
- 2013 [Woolly turns Twitter into real-time community connector.](#) The Fire Hose (Microsoft)
- 2013 [5 things you might like about NewsPad \(which made us write this headline this way\).](#) Nieman Journalism Lab
- 2013 [Los 8 jóvenes extraordinarios de México](#)
- 2013 [The Rise and Fall of Brazil's Twitter Revolution.](#) techPresident
- 2013 [Reconoce MIT a Andrés Monroy-Hernández \(ISE'01\) como Innovador Solidario y al alumno Daniel Gómez como Innovador del Año.](#) ITESM Portal Informativo
- 2013 [FUSE Researcher Gains TR35 Mexico Acclaim.](#) Inside Microsoft Research
- 2013 [Los diez jóvenes mexicanos llamados a transformar su país.](#) El País May
- 2013 [Narcotuits y tecnologías web para empoderar al ciudadano.](#) MIT Technology Review (Spanish)
- 2013 [Mexicanos en Twitter: Guerra en 140.](#) Reporte Indigo
- 2013 [Study: open source remixing seems to lead to less original work.](#) Wired
- 2013 [What makes a project remixable?.](#) Boing Boing
- 2013 [In Mexico, tweeting about the drug war to fill the void of traditional media.](#) Nieman Journalism Lab
- 2013 [Mexico: Lethal Threats for Citizens Reporting on Drug Crimes.](#) Global Voices
- 2013 [Can data help break through Mexico's information blackout?.](#) Foreign Policy
- 2013 ['War Correspondents' In Mexico Address Mainstream Media Shortcomings, Use Twitter To Spread Information.](#) Tech Crunch
- 2013 [What a map of Seattle looks like in the Twitterverse.](#) Seattle Post-Intelligencer

2013	<a href="#">El narco mexicano pone precio a la cabeza de un tuitero: 36.000 euros.</a> El País
2013	<a href="#">Twitter in Mexico's Drug Wars.</a> ABC Radio
2013	<a href="#">Twitter: The Safest Place for Citizen Journalists in Mexico.</a> Mashable
2012	<a href="#">Emerging Leader - Andrés Monroy-Hernández.</a> Boston Business Journal
2012	<a href="#">In Mexico, Young Voices Challenge Results of Presidential Election.</a> The New York Times
2012	<a href="#">Twitter Mischief Plagues Mexico's Election.</a> MIT Technology Review
2012	<a href="#">Can Tech-Savvy Activists Change Mexico's Presidential Elections?.</a> techPresident
2012	<a href="#">In Protests and Online, a Youth Movement Seeks to Sway Mexico's Election.</a> The New York Times
2012	<a href="#">Redes sociales: alternativa para la comunicación.</a> La Jornada
2012	<a href="#">Toll of Mexican Crime Wave, Written in Faces on the Wall.</a> The New York Times
2012	<a href="#">Generation Flux.</a> Fast Company
2012	<a href="#">Twitter: el reporte de la violencia en México.</a> Radio Nederland
2012	<a href="#">Meet the trolls part II: So who do you think invented LOLcats?</a> News.com.au
2011	<a href="#">Social Media in Mexico.</a> Radio's Brian Lehrer Show
2011	<a href="#">Mexico Turns to Social Media for Information and Survival.</a> The New York Times
2011	<a href="#">Latest battlefield in Mexico's drug war: Social media</a> CNN
2011	<a href="#">Mexico's Twitter 'terrorism' case sparks controversy.</a> CNN
2011	<a href="#">Mexico's drug cartels have new target: social media.</a> The Toronto Star
2011	<a href="#">In Mexico, Social Media Become a Battleground in the Drug War.</a> The New York Times
2011	<a href="#">Does Google+'s "real names only" policy make sense?</a> Marketplace. National Public Radio
2011	<a href="#">Scratch: Teaching the Difference Between Creating and Remixing.</a> MindShift - How we will learn. National Public Radio
2011	<a href="#">Heres What 5 Million Posts on 4chan Look Like.</a> Gawker
2011	<a href="#">From the Mouths of Babes: The Future of Tech is Robots and Real World Integration.</a> Read-WriteWeb
2010	<a href="#">Apple Rejects Kid-Friendly Programming App.</a> Wired
2010	<a href="#">The iPad Falls Short as a Creation Tool Without Coding Apps.</a> Wired
2007	<a href="#">Playing Their Own Way.</a> Technology Review. Technology Review
2007	<a href="#">Vivimos la era de la creatividad y pocos colegios se dan cuenta.</a> El Comercio de Peru

## Mentoring and Supervision

### PRINCETON UNDERGRADUATES

2021	Christine Kwon (COS Senior)
2021	Saad Malik (COS Senior)
2021	Nikoo Karbassi (SOC Senior)
2021	John Van Horn (COS Freshman)
2021	Ngan Chiem (POL Sophomore)

### PRINCETON STAFF

2021-present	Yuhan Li
2021-present	Prachi Sinha

## COMMITTEES

2021	Dissertation Committee for Taryn Bipat, University of Washington, Human Centered Design and Engineering
2020	Dissertation Committee for Farnaz Irannejad Bisafar, Northeastern University, Computer Science
2020	Dissertation Committee for Eric Cobertt, Georgia Tech, Digital Media
2019	General Exam Committee for Taryn Bipat, UW, HCDE
2019	General Exam Committee for Himanshu Zade, UW, HCDE
2016	Dissertation Committee for Darshan Santani, EPFL, Computer Science (now startup co-founder)
2014	Dissertation Committee for Saiph Savage, UCSB Computer Science (now faculty at WVU)
2014	Dissertation Committee for Justin Cranshaw, CMU Computer Science (now at Microsoft Research)
2010	Master's co-advisor for Rita Chen, MIT Computer Science undergraduate (now at Google)
2008	Master's co-advisor for Han Xu, MIT Computer Science undergraduate

## INDUSTRY INTERNS

2021	Samantha Reig, CMU, HCII, Snap PhD Intern
2021	Rafael Silva, UW, HCDE, Snap PhD Intern (with Fannie Liu)
2021	Melissa Powers, NYU, ITP, Snap PhD Intern
2020	Ella Dagan Peled, UC Santa Cruz, Computational Media, Snap PhD Intern
2020	Ana Cardenas, University of Michigan, School of Information, Snap Master's Intern
2020	Ava Robinson, Northwestern University, Computer Science, Snap Undergraduate Intern
2020	Cyn Liu, Indiana University, School of Informatics, Snap PhD Intern
2019	Chunjong Park, UW, Computer Science, Snap PhD Intern
2018	Kelly Mack, UIUC, Computer Science, Snap Undergraduate Intern (now PhD student at UW CSE)
2018	Mario Esparza, California State University Northridge, Computer Science, Snap Undergraduate Intern (now at Snap)
2018	Taryn Bipat, UW, Human Centered Design and Engineering, Snap PhD Intern
2018, 2019	Fannie Liu, CMU, HCII, Snap PhD Intern
2018	Anhong Guo, CMU, HCII, Snap PhD Intern (with Rajan Vaish)
2018	Yan Chen, University of Michigan, Information School, Snap PhD Intern (with Rajan Vaish)
2017	Xiong Zhang, University of Rochester, Computer Science, Snap PhD Intern
2017	Carlos Toxtli, WVU, Computer Science, MSR PhD Intern (with Justin Cranshaw)
2016	Rafal Kocielnik, UW, Human Centered Design and Engineering, MSR PhD intern
2015	Ali Alkhatib, Stanford, Computer Science, MSR PhD intern
2015	Rajan Vaish, UCSC, Computer Science, MSR PhD intern (now at Snap Inc.)
2014	Joy Kim, Stanford, Computer Science, MSR PhD intern (now at Adobe Research)
2014	Juho Kim, MIT, Computer Science, MSR PhD intern (with Merrie Morris) (now faculty at KAIST)
2014	Elena Glassman, MIT, Computer Science, MSR PhD intern (with Merrie Morris) (now faculty at Harvard)
2014	Justin Cranshaw, CMU, Computer Science, MSR PhD intern (now at Microsoft Research)
2013	Nathan J. Matias, MIT Media Lab, MSR PhD intern (now faculty at Cornell)
2013	Emma Spiro, UCI, Sociology, MSR PhD intern (now faculty at UW iSchool)
2012	Yuheng Hu, ASU, Computer Science, MSR PhD intern (now faculty at Illinois)
2012	Sarah Hallacher, NYU, ITP, MSR intern
2010	Jared Dominguez, MIT, Computer Science, MIT UROP
2010	Jazmin González-Rivero, MSR high school intern (now at Olin College)
2008	Chetan Supur, high school intern at MIT (now at UC Berkeley)
2007	Ubong Ukoh's, MIT Computer Science, MIT UROP

## INDUSTRY STAFF

Dr. Sven Kratz, Research Engineer  
Dr. Fannie Liu, Research Scientist  
Yu Jiang Tham, Research Engineer  
Jack Tsai, Research Engineer  
Dr. Brian Smith, Research Scientist  
Dr. Maria Pavolvskaia, Research Engineer  
Dr. Rajan Vaish, Research Scientist  
Dr. Neil Shah, Research Scientist  
Dr. Maarten Bos, Research Scientist  
Justin Cranshaw, Research Scientist

## Service

### CONFERENCE COMMITTEES

2019-present	Steering Committee member of the ACM Conference on Computer-Supported Work and Social Computing (CSCW).
2021	Co-chair of the 2021 Social Computing Systems Summer Camp attended by more than 80 PhD students and 40 PIs.
2021	Chair for the 2nd Snap Creative Challenge on co-located AR on Co-located AR
2020	Chair of the 1st Snap Creative Challenge on the Future of AR and Storytelling
2019	Technical program co-chair for ACM Collective Intelligence (CI) with Melissa Valentine.
2018	Technical program co-chair for ACM Conference on Computer-Supported Work and Social Computing (CSCW) with Karrie Karahalios, Airi Lampinen, Geraldine Fitzpatrick.
2018	Editor of Proceedings of the ACM on Computer-Supported Work and Social Computing.
2017	Program committee member for AAAI Human Computation (HCOMP).
2014	Program committee member for Computation and Journalism.
2014-2016	Program committee member for ACM Conference on Computer-Supported Work and Social Computing (CSCW).
2013-2019	Senior program committee member for AAAI International Conference on Web and Social Media (ICWSM).
2013	Demos co-chair for AAAI International Conference on Web and Social Media (ICWSM).

### EDITORIAL BOARDS

2020-2021	Editor for ACM CSCW.
2018	Editor of Proceedings of the ACM on Computer-Supported Work and Social Computing.
2015-2019	In the Editorial Board of Social Media + Society.

### DIVERSITY AND INCLUSION SERVICE

2021	Member of the Climate and Inclusion Committee for Princeton's Department of Computer Science
2021	Princeton representative in panel for the LEAP Alliance's Cross-Institution Pre-App Mentoring
2021	Panelist in Grad Cohort Workshop for Inclusion, Diversity, Equity, Accessibility, and Leadership Skills (IDEALS)
2021	Co-chair of the Student Design Competition for the 2021 Mexican Conference on Human-Computer

Interaction (MexHIC)

#### REVIEWER

Over the years, I have reviewed numerous times for the following venues: ACM CHI, ACM UIST, ACM CSCW, ACM MobileHCI, ACM ToCHI, SAGE Open, IJOC, Journal of New Media and Society, Journal of Broadcasting and Electronic Media, AAAI ICWSM, MobileHCI, IEEE Software, IEEE Internet Computing.