Motahhare Eslami
(Motahareh Eslamimehdiabadi)

Carnegie Mellon University, School of Computer Science
Human-Computer Interaction Institute

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Appointments

- Assistant Professor, Carnegie Mellon University, School of Computer Science — 2020-Present
  Human-Computer Interaction Institute (HCII) & Institute for Software Research (ISR)
- UX Researcher, Facebook — 2019-2021
- Graduate Research Assistant, Computer Science Department, — 2012-2019
  University of Illinois at Urbana-Champaign
- Research Intern, Adobe Research, San Francisco, CA — Spring & Summer 2017
- Research Intern, Max Planck Institute for Software Systems — Fall 2015
- Graduate Research Assistant, Computer Engineering Department, — 2009-2012
  Sharif University of Technology
- Undergraduate Research Assistant, Computer Engineering Department, — 2007-2009
  Sharif University of Technology

Education

Ph.D., Computer Science, University of Illinois at Urbana-Champaign, Illinois, U.S. — 2019
Thesis: "Participating and Designing around Algorithmic Sociotechnical Systems"
Committee: Karrie Karahalios, Christian Sandvig, Brian Bailey, Hari Sundaram, Kevin Hamilton

M.Sc., Computer Engineering, Sharif University of Technology, Tehran, Iran — 2011

B.Sc., Computer Engineering, Sharif University of Technology, Tehran, Iran — 2009

Research Interests

My work draws on *Human-Computer Interaction*, *Social Computing* and *Data Mining* techniques to empower the users of algorithmic systems, particularly those who belong to marginalized communities or those whose decisions impact those communities, make transparent, fair, and informed decisions in interaction with algorithmic systems.

Honors and Awards

- **Honorable Mention Award for Best Paper**, CSCW — 2021
- **Best Reviewer Award**, International Conference on Web & Social Media (ICWSM) — 2018
  Awarded to the top 20 reviewers
- **Google PhD Fellowship** — 2017-2019
- **Heidelberg Laureate Forum Young Researcher** — 2018
  A prestigious international mathematics and computer science Forum (11% acceptance rate)
- **C.W. Gear Outstanding Graduate Student Award** — 2017
  Awarded annually to a graduate student who has demonstrated excellence in research, Department of Computer Science at University of Illinois at Urbana-Champaign
- **Adobe PhD Fellowship Finalist** — 2017

- **Saburo Muroga Endowed Fellowship** 2016
  Awarded to outstanding graduate students in Computer Science, University of Illinois at Urbana-Champaign
- **Feng Chen Memorial Award** 2016
  Awarded to students who are first authors on a paper that has won a best paper award, Department of Computer Science, University of Illinois at Urbana-Champaign
- **Facebook PhD Fellowship Finalist** 2016
- **Selected for Rising Stars in EECS Workshop** 2015, 2016
- **Best Paper Award**, ACM CHI 2015
- **CS Grace Hopper Conference Scholarship**, University of Illinois at Urbana-Champaign 2014
- **Honorable Mention in Facebook Midwest Regional Hackathon** 2013
- **Exceptional Talent Award**, M.S., Computer Engineering (IT), Sharif University of Technology 2011
- **3rd Rank in GPA**, M.S., Computer Engineering (IT), Sharif University of Technology 2011
- **Exceptional Talent Award**, B.S., Computer Engineering (IT), Sharif University of Technology 2009
- **1st rank in GPA**, B.S., Computer Engineering (IT), Sharif University of Technology 2009

Grants

- **Leveraging the Power of Everyday Users to Detect Harmful Algorithmic Biases** *Under review, PI*
  Amazon, Alexa Fairness in AI
  with Jason Hong, Ken Holstein, Hong Shen, Adam Perer

- **Bridging Policy Gaps in the Life Cycle of Public Algorithmic Systems** *Awarded, PI*
  Block Center, CMU $80,000
  with Ken Holstein & Sarah Fox

- **Developing Community-Led & Equity-Focused Public Interest Technology Curriculum** Awarded, Co-PI $89,457
  The Public Interest Technology University Network (PIT-UN) Challenge 2022-2025
  with Sarah Fox, Michael Skirpan, Hong Shen, Rayid Ghani

- **The AI Institute for Collaborative Assistance and Responsive Interaction for Networked Groups (AI-CARING)** *Awarded, Senior Personnel* $20,000,000
  NSF AI Institute (NSF, Amazon and Google) 2021-2026
  With Georgia Institute of Technology, Carnegie Mellon University, Oregon State University, University of Massachusetts Lowell, and Oregon Health & Science University

- **Combining Human and Machine Intelligence to Improve Equity and Fairness in the Work of Municipal, Public Sector Decision Making** *Awarded, PI* $150,000
  NSF Program on Future of Work 2021-2022
  with John Zimmerman

- **Organizing Crowd Audits to Detect Bias in Machine Learning** *Awarded, Co-PI*
  NSF Program on Fairness in Artificial Intelligence (FAI) $1,000,000
  with Jason Hong, Ken Holstein, Hong Shen, Adam Perer, and Nihar Shah 2021-2024

- **Human-AI Collaborative Intelligence:** *Awarded, PI*
  The Roles and Interactions of Human & AI in Content Enforcement Systems $50,000
  Facebook Research *(with Heidi Soedarmo)* 2021

- **Harnessing Everyday Users' Collective Power to** *Awarded, PI*
  Audit Algorithmic Bias in AI Systems $100,000
  Cisco Research, Ethics in AI 2021-2022
  with Jason Hong, Ken Holstein, Hong Shen, Adam Perer, and Nihar Shah

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Publications

Refereed Conference and Journal Publications

[*p*24] B. Fan, H. Shen, W. Yang, Beth. Schwanke^{+}, Y. Li^{+}, R. Farzan^{+}, S. Fox^{+}, **M. Eslami**$^{+}$. *"Algorithms are used on us and we don't even know it": Local Community Awareness, Concerns and Asks of Public Sector Algorithms*, *Under Review* ($^{+}$: equal contribution).

[*p*23] S. Kingsley, P. Sinha, C. Wang, **M. Eslami**, and J. Hong; *"Give everybody [..] a little bit more equity": Content Creator Perspectives and Responses to Algorithmic Demonetization of Content Associated with Marginalized Communities*, Proceedings of ACM in Human Computer Interaction (CSCW), 2022.

[*p*22] J. Solyst, A. Axon, A.E.B. Stewart, **M. Eslami**, and A. Ogan. Investigating GirlsâĂŹ Perspectives and Knowledge Gaps on Ethics and Fairness in Artificial Intelligence in a Lightweight Workshop. The International Conference of the Learning Sciences 2022 (ICLS).

[*p*21] A. DeVos, A. Dhabalia, H. Shen, K. Holstein^{+}, and **M. Eslami**$^{+}$. *Toward User-Driven Algorithm Auditing: Investigating Users' Strategies for Uncovering Harmful Algorithmic Behavior.* CHI 2022. ($^{+}$: equal contribution)

[*p*20] J. Park, K. Karahalios, N. Salehi, and **M. Eslami**. *Power Dynamics and Value Conflicts in Designing and Maintaining Socio-Technical Algorithmic Processes*, Proceedings of ACM in Human Computer Interaction (CSCW), 2022.

[*p*19] H. Shen* and A. DeVos*, **M. Eslami**$^{+}$ and K. Holstein^{+}. *Everyday Algorithm Auditing: Understanding the Power of Everyday Users in Surfacing Harmful Algorithmic Behaviors.* Proceedings of ACM in Human Computer Interaction (CSCW), 2021. ($^{+}$: equal contribution)

[*p*18] N. Karizat, D. Delmonaco, **M. Eslami**, N. Andalibi. *Algorithmic Folk Theories and Identity: How TikTok Users Engage in Algorithmic Resistance and Identity Co-Production.* Proceedings of ACM in Human Computer Interaction (CSCW), 2021. ***Honorable Mention Award for Best Paper***

[*p*17] J. Asplund, **M. Eslami**, H. Sundaram, C. Sandvig and K. Karahalios. *Auditing Race and Gender Discrimination in Online Housing Markets.* AAAI International Conference of Weblogs and Social Media (ICWSM), 2020.

[*p*16] **M. Eslami**, K. Vaccaro, M. K. Lee, A. Elazari Bar On, E. Gilbert, and K. Karahalios. *User Attitudes towards Algorithmic Opacity and Transparency in Online Reviewing Platforms.* ACM Conference on Human Factors in Computing Systems (CHI), 2019. [Acceptance Rate: 23.8%]

[*p*15] J. Salminen, J. M. Santos, S. Jung, **M. Eslami**, and B. J. Jansen. *Persona Transparency: Analyzing the Impact of Explanations on Perceptions of Data-Driven Personas*, Internationl Journal of Human-Computer Interaction, 2019.

[*p*14] **M. Eslami**, S. R. Krishna Kumaran, C. Sandvig, K. Karahalios. *Communicating Algorithmic Process in Online Behavioral Advertising.* Proceedings of the ACM Conference on Human Factors in Computing Systems Conference (CHI), 2018. [Acceptance Rate: 26%]

[*p*13] K. Vaccaro, D. Huang, **M. Eslami**, C. Sandvig, K. Hamilton, and K. Karahalios. *The Illusion of Control: Placebo Effects of Control Settings.* Proceedings of the ACM Conference on Human Factors in Computing Systems Conference (CHI), 2018. [Acceptance Rate: 26%]

[*p*12] J. Kulshrestha, **M. Eslami**, J. Messias, M. B. Zafar, S. Ghosh, K. P. Gummadi, and K Karahalios. *Search bias quantification: investigating political bias in social media and web search.* Information Retrieval Journal, 1-40, 2018.

[*p*11] **M. Eslami**, K. Vaccaro, K. Karahalios, and K. Hamilton. *"Be careful; things can be worse than they appear": Understanding Biased Algorithms and Users' Behavior around Them in Rating Platforms.* The AAAI International Conference of Weblogs and Social Media (ICWSM), 2017. [Acceptance Rate: 14%]

[*p*10] J. Kulshrestha, **M. Eslami**, J. Messias, M. B. Zafar, S. Ghosh, K. Gummadi, and K. Karahalios. *Quantifying Search Bias: Investigating Sources of Bias for Political Searches in Social Media.* Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW), 2017. [Acceptance Rate: 34.5%]

[*p*9] **M. Eslami**, K. Karahalios, C.Sandvig, K. Vaccaro, A. Rickman, K. Hamilton, and A. Kirlik. *First I "like" it, then I hide it: Folk Theories of Social Feeds.* Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI), 2016. [Acceptance Rate: 23.5%]

[*p*8] **M. Eslami**, A. Rickman, K. Vaccaro, A. Aleyasen, A. Voung, K. Karahalios, K. Hamilton, and C.Sandvig. *"I always assumed that I wasn't really that close to [her]": Reasoning about Invisible Algorithms in News Feeds.* Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI), 2015. [Acceptance Rate: 23%] ***Best Paper Award***

[*p*7] **M. Eslami**, A. Aleyasen, R. Zilouchian Moghadam and K. Karahalios. *Friend Grouping Algorithms for Online Social Networks: preference, bias, and implications.* International Conference on Social Informatics (SocInfo), 2014. [Acceptance Rate: 23%]

[*p*6] E. S. Hosseini, V. Esmaeelzadeh, and **M. Eslami**. *A Hierarchical Sub-Chromosome Genetic Algorithm (HSC-GA) to Optimize Power Consumption and Data Communications Reliability in Wireless Sensor Networks.* Wireless Personal Communications (Springer). Vol. 80, no. 4, pp. 1579-1605, Oct. 2014.

[*p*5] **M. Eslami**, H. R. Rabiee, and M. Salehi. *Sampling from Diffusion Networks.* ASE and IEEE International Conference on Social Informatics, 2012. [Acceptance Rate: 11.5%]

[*p*4] P. Siyari, H. R. Rabiee, M. Salehi, and **M. Eslami**. *Network Reconstruction under Compressive Sensing.* ASE Human Journal. Vol.1, issue 3, pp. 130-143, 2012.

[*p*3] P. Siyari, H. R. Rabiee, M. Salehi and **M. Eslami**. *Network Reconstruction under Compressive Sensing.* ASE and IEEE International Conference on Social Informatics, 2012. [Acceptance Rate: 11.5%]

[*p*2] **M. Eslami**, H. R. Rabiee, and M. Salehi. *Diffusion-Aware Sampling and Estimation in Information Diffusion Networks.* IEEE International Conference on Social Computing, 2012. [Acceptance Rate $< 10\%$]

[*p*1] **M. Eslami**, H. R. Rabiee, and M. Salehi. *DNE: A Method for Extracting Cascaded Diffusion Networks from Social Networks.* IEEE International Conference on Social Computing, 2011. [Acceptance rate: 9.8%]

Extended Abstracts & Work-in-Progress Papers

[*e*7] **M. Eslami**, A. Aleyasen, K. Karahalios, K. Hamilton and C. Sandvig. *FeedVis: A Path for Exploring*

News Feed Curation Algorithms. ACM Conference on Computer Supported Cooperative Work (CSCW), Demonstration Paper, 2015.

[*e*6] **M. Eslami**, A. Rickman, K. Vaccaro, A. Aleyasen, K. Karahalios, K. Hamilton, and C.Sandvig. *Exposure to the Invisible: Reasoning about Hidden Algorithms in the News Feed*, International Conference on Computational Social Science (IC^2S^2), 2015.

[*e*5] **M. Eslami**. *Exposure to the Invisible: Algorithm Awareness from the Individual to the Collective*. CSL Student Conference, University of Illinois at Urbana-Champaign, 2015.

[*e*4] K. Hamilton, K. Karahalios, C. Sandvig and **M. Eslami**. *A Path to Understanding the Effects of Algorithm Awareness*. Alt.Chi: Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI), 2014.

[*e*3] N. Spirin, **M. Eslami**, J. Ding, P. Jain, B. Bailey and K. Karahalios. *Searching for Design Examples with Crowdsourcing*. International World Wide Web Conference (WWW) Poster, 2014.

[*e*2] **M. Eslami**, A. Aleyasen, R. Zilouchian Moghadam and K. Karahalios. *Evaluation of Automated Friend Grouping in Online Social Networks*. Extended Abstracts of the ACM Conference on Human Factors in Computing Systems (CHI), 2014.

[*e*1] **M. Eslami**, A. Aleyasen and K. Karahalios. *Make Community Detection More Human*. The Human Computer Interaction Consortium (HCIC) Boaster, 2013.

Workshop Papers

[*w*3] **M. Eslami** and K. Karahalios. *Communicating the Algorithmic Self to Users*. The AAAI International Conference of Weblogs and Social Media (ICWSM), Workshop on Data Driven Persona and Human-Driven Analytics, 2018.

[*w*2] **M. Eslami** and K. Karahalios. *Embracing Seamfulness and Uncertainty in Designing around Hidden Algorithms*. ACM Conference on Human Factors in Computing Systems (CHI), Workshop on Designing for Uncertainty in HCI: When Does Uncertainty Help?, 2017.

[*w*1] **M. Eslami** and K. Karahalios. *Investigating Users' Understanding of Invisible Algorithms and Designing around It*. The AAAI International Conference of Weblogs and Social Media (ICWSM), Workshop on Studying User Perceptions and Experiences with Algorithms, 2017.

Doctoral Colloquium

[*d*1] **M. Eslami**. *Understanding and Designing around Users' Interaction with Hidden Algorithms in Sociotechnical Systems*. ACM Conference on Computer Supported Cooperative Work (CSCW) Doctoral Colloquium, 2017.

Teaching Experience

Instructor

- Fairness, Accountability, Transparency, and Ethics (FATE) in Sociotechnical Systems — Spring 2022
- User-Centered Research and Evaluation (UCRE), HCII, CMU — Spring & Fall 2021

Invited Guest Lectures

- *"(Ir)responsible AI: Fairness and Bias in Algorithmic Systems "* — Spring 2022
  Social Web taught by Hiro Shirado, HCII, CMU
- *"(Ir)responsible AI: Algorithmic Fairness and Bias in Criminal Justice"* — Fall 2021
  AI, Ethics and Society, taught by Alex London, Department of Philosophy, CMU

- *"Responsible AI: Supporting (Enough) Transparency and Bias-Awareness in AI Systems"* Spring 2021
  Fairness in Machine Learning, taught by Yu-Ru Lin, School of Computing and Information, University of Pittsburgh
- *"Responsible AI: Supporting (Enough) Transparency and Bias-Awareness in AI Systems"* Fall 2020
  Software Engineering for AI-Enabled Systems, taught by Christian Kastner & Eunsuk Kang, ISR, CMU
- *"User Attitudes towards Algorithmic Opacity and Transparency"* Fall 2020
  Designing Artificial Intelligence for the Long-term, taught by Chinmay Kulkarni, HCII, CMU
- *"Participating and Designing around Algorithmic Sociotechnical Systems"* Fall 2019
  HCI for ML, taught by Ranjitha Kumar, CS Department, UIUC
- *"Participating and Designing around Algorithmic Sociotechnical Systems"* Fall 2019
  Social Computing, taught by Catherine Grevet Delcourt, CS Department, Wellesley College
- *"Communicating Algorithmic Process in Online Behavioral Advertising"* Fall 2018
  Computational Advertising, taught by Hari Sundaram, CS Department, UIUC

Teaching Assistant

- Introduction to Data Mining, CS Department, UIUC Spring 2018
- Stochastic Processes, Sharif University of Technology Fall 2011
- Multimedia Networks, Sharif University of Technology Spring 2010
- Software Engineering, Sharif University of Technology Spring 2009
- Advanced Programming (Java), Sharif University of Technology Fall 2008
- Introduction to Programming (C++), Fall 2007, Spring 2008
  Sharif University of Technology

Advising Experience

Ph.D. Students

- *Alicia DeVos*, HCII, CMU Fall 2020-present
  Organizing crowd audits to detect bias in machine learning systems
- *Bonnie Fan*, HCII, CMU Fall 2020-present
  Community's participation and intervention in designing and developing public-sector AI systems
- *Wesley Deng*, HCII, CMU Summer 2021-present
  Co-designing crowd audit services with industry AI/ML Practitioners
- *Seyun Kim*, HCII, CMU Fall 2021-present
  Combining Human and Machine Intelligence to Improve Equity and Fairness in the Work of Municipal, Public Sector Decision Making

M.Sc. Students

- *Yuwen Lu*, HCII, CMU Spring 2021
  Breaking political filter bubbles via social comparison
- *Janelle Wen*, HCII, CMU Spring 2021
  Auditing and building equitable public-sector AI infrastructures
- *Aditi Dhabalia*, HCII, CMU Fall 2020-present
  Organizing crowd audits to detect bias in machine learning systems
- *Joon Park*, CS Department, UIUC 2018-present
  Adding transparency into opaque algorithmic systems
  (now Ph.D. student at Stanford)

- *Joshua Asplund*, CS Department, UIUC: 2018
  Auditing race and gender discrimination in online housing markets
- *Jingning Zhang*, CS Department, UIUC: Fall 2014 & Spring 2015
  Fiddler, a visualization prototype interface for making sense of newsfeeds
  (now software engineer at Facebook)
- *Payam Siyari*, CE Department, Sharif University: Network reconstruction under compressive sensing Spring 2012
  (now senior data scientist, Uber Technologies Inc.)

B.Sc. Students

- *Bill Guo*, HCII, CMU Summer-present 2021
  Co-designing crowd audit services with industry AI/ML Practitioners
- *Sarah Chen*, HCII, CMU Spring 2021
  Auditing and building equitable public-sector AI infrastructures
- *Jai Sawkar*, HCII, CMU Spring 2021
  Auditing and building equitable public-sector AI infrastructures
- *Erica Chiang*, HCII, CMU Fall 2020
  Organizing crowd audits to detect bias in machine learning systems
- *Justin Zhang*, HCII, CMU Fall 2020
  Organizing crowd audits to detect bias in machine learning systems
- *Andy Vuong*, CS Department, UIUC Spring 2014
  Teaching HCI fundamentals (PURE program)
- *Akshat Gupta*, CS Department, UIUC Spring 2014
  Teaching HCI fundamentals (PURE program)
- *Akshun Gupt*a, CS Department, UIUC Spring 2014
  Teaching HCI fundamentals (PURE program)

Interns

- *Nouran Soliman*: Breaking political filter bubbles via social comparison 2018-present
  (now Ph.D. student at MIT)

Invited Talks & Panels

- **Just Films**, Chatham University 2022
  "*Coded Bias*"
- **Learning at Scale (L@S) Conference, Keynote Speaker** 2021
  "*Revisiting Algorithmic Transparency and Fairness Through the Lens of Public Education and Engagement*"
- **ICLR 2021 Workshop on Responsible AI** 2021
  "*(Ir)responsible AI: Revisiting Transparency and Fairness in AI Systems*"
- **Software Research Seminar**, Institute for Software Research (ISR), CMU 2021
  "*(Ir)responsible AI: Revisiting Transparency and Fairness in AI Systems*"
- **Seamful Design Seminar,** University of Siegen, Germany 2021
  "Responsible AI: Supporting (Enough) Transparency and Bias-Awareness in AI Systems"
- **Urbana Champaign Data Science User Group**, UIUC, Champaign, IL 2020
  Virtual Computer Science Camp for Refugees, James Madison University
  "Responsible AI: Supporting (Enough) Transparency and Bias-Awareness in AI Systems"
- **Facebook Core Data Science Seminar**, Menlo Park, CA 2020
  "Participating and Designing around Algorithmic Sociotechnical Systems"

- **Facebook Digital Advertising Workshop**, Menlo Park, CA 2019
  "Communicating Algorithmic Process in Online Behavioral Advertising"
- **Stanford HCI Seminar**, Palo Alto, CA 2019
  SummerPIT-Understandable AI, Aarhus University, Denmark
  Carnegie Mellon University, HCI Institute, Pittsburgh, PA
  University of Michigan, School of Information, Ann Arbor, Michigan
  Cornell University, Informmation Science Department, Ithaca, NY
  University of Maryland, Computer Science Department, College Park, Maryland
  University of Southern California, Computer Science Department, Los Angeles, CA
  University of Illinois, School of Information Science, Champaign, IL
  University of Chicago, Computer Science Department, Chicago, IL
  "Participating and Designing around Algorithmic Sociotechnical Systems"

- **Association of Internet Researchers (AoIR)**, Montreal, Canada 2018
  "Kicking the Black Box: The Perils and Promise of Algorithm Auditing"
- **Big Data Summit**, University of Illinois at Urbana-Champaign 2018
  "Big Data Summit Data Governance"
- **Adobe Research**, San Francisco, CA 2017
  "Communicating Algorithmic Process in Online Behavioral Advertising"
- **CSL Student Conference**, University of Illinois at Urbana-Champaign 2015
  "Exposure to the Invisible: Algorithm Awareness from the Individual to the Collective"

Service

Program Committee

- ACM Conference on Fairness, Accountability, and Transparency (FAccT) 2022
- Human Factors in Computing Systems Conference (CHI) 2022
- International Conference on Web and Social Media (ICWSM) 2016-2019
- International ACM Web Science Conference (WebSci) 2019

Reviewer

- Human Factors in Computing Systems Conference (CHI) 2016-present
- Computer-Supported Cooperative Work and Social Computing Conference (CSCW) 2016-present
- International Conference on Web and Social Media (ICWSM) 2015-present
- Social Network Analysis and Mining Journal (SNAM) 2020
- Human-Computer Interaction Journal 2019
- SocInfo Conference 2019
- ACM International Management of Management of Data (SIGMOD) 2017
- Semantic Web Journal 2017
- Social Media+Society Journal 2016
- International Journal of Human-Computer Studies 2016
- Behaviour & Information Technology Journal 2015
- Elsevier Computer Communications Journal 2015
- IEEE International Conference on Social Computing (SocialCom) 2011-2012

Student Volunteer

- CSCW SV Chair 2019

- CSCW SV 2018

Selected Media Coverage

- "How the National Science Foundation is taking on fairness in AI" July 22, 2021
  Brookings. Alex Engler
- "We Need Bug Bounties for Bad Algorithms" May 3, 2018
  Motherboard (Vice). Amit Elazari Bar On
- "Op-ed: What algorithms can learn from Donald Trump's hair" Jul 23, 2016
  Digiday. Elizabeth Lee
- "Facebook's news feed algorithm is so mysterious, users are developing 'folk theories' about how it works" May 14, 2016
  Quartz. Joon Ian Wong
- "Is Facebook reinforcing your political bias?" May 11, 2016
  The Christian Science Monitor. Max Lewontin
- "Will an artificially intelligent robot steal your job?" Apr 11, 2016
  BBC. Graihagh Jackson
- "Search Engine Agendas" Apr 2016
  Communications of ACM. Gary Anthes
- "How Facebook and Google's Algorithms Are Affecting Our Political Viewpoints" Oct 15, 2015
  Huffingtonpost. Megan Anderle
- "Here's How Facebook's News Feed Actually Works" July 9, 2015
  Time. Victor Luckerson
- "Many, many Facebook users still don't know that their news feeds are filtered by an algorithm" Mar 27, 2015
  Splinter. Alexis Madrigal
- "How do you govern a (hidden, fluid and amoral) algorithm?" Mar 18, 2015
  Fortune. Stacey Higginbotham
- "How Algorithms Subtly Control What We Read, Hear, Watch And (Ultimately) Think" Mar 16, 2015
  International Business Times. Christopher Zara
- "Algorithm Awareness" Oct 21, 2014
  MIT Technology Review. Karrie Karahalios and Sam Kerr
- "Algorithm Awareness" Sep 21, 2014
  CBC Radio
- "The secret system controlling your Facebook News Feed" Jul 30, 2014
  New Scientist. Hal Hodson
- "A Social Science Audit for Facebook's News Feed?" Jul 30, 2014
  Social Science Space. J. Nathan Matias
- "OkCupid reveals it's been lying to some of its users. Just to see what'll happen" Jul 28, 2014
  Washington Post. Brian Fung
- "Uncovering Algorithms: Looking Inside the Facebook News Feed" Jul 22, 2014
  MIT Center for Civic Media. J. Nathan Matias