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RESEARCH INTERESTS

My research interests encompass computational journalism and social computing. Information disorder and quality measurement are my current research focuses.

EDUCATION

Ph.D. in Computer Science. University of Texas at Arlington 2016
• Dissertation Title: Toward Automated Fact Monitoring and Checking. [O2]
B.S. in Computer Science. Bangladesh University of Engineering & Technology 2009

PROFESSIONAL EXPERIENCE

Assistant Professor. University of Maryland, College Park August 2019 – Present
Directing the Computational Journalism laboratory (*cjlab* <https://cjlab-umd.github.io>). Developed the following courses.

JOUR 152 Storytelling with Code	Fall 2020, 2021, 2022, Spring 2021, 2022, 2023
JOUR 479/779 Computational Journalism	Fall 2019, 2020, 2021, 2022
INST 767 Big Data Analytics	Spring 2020, 2021, 2022
INST 627 Data Analytics for Information Professionals	Fall 2020
INST 737 Introduction to Data Science	Fall 2022
INST 808 Computational Text Analytics using Python	Spring 2023

Assistant Professor. University of Mississippi August 2016 – August 2019
Directed the Data Exploration and Research laboratory (*dear.lab* <https://dear.cs.olemiss.edu>). Developed the following courses.

Engr 691 Advanced Topics in Natural Language Processing	Fall 2018
CSci 582 Computational Journalism	Spring 2019, Spring 2017
CSci 543 Data Mining	Spring 2018, Fall 2016
CSci 517 Natural Language Processing	Fall 2018
CSci 444 Information Visualization	Fall 2017
CSci 387 Software Design & Development	Spring 2019, Spring 2018, Spring 2017

Research Associate. Qatar Computing Research Institute (QCRI) March 2013 – August 2013
Analyzed the community and conflict detection problem in friend-foe network. It has many applications in social network analysis. Developed a probabilistic algorithm to solve the problem and validated its efficacy using Twitter data and Correlates of War data.

Network Planning & Engineering Intern. AT&T May 2012 – August 2012
Maintaining voice call quality is a key concern for AT&T. Knowing the source (indoor/outdoor) of voice calls helps to reduce troubleshooting cost. I analyzed AT&T's voice call data, identified critical features and developed a prediction model to determine indoor/outdoor status of a voice call. The method has been patented.

Course Instructor. University of Texas at Arlington
CSE 4335/5334 Data Mining Fall 2014

Graduate Research Assistant. University of Texas at Arlington

Fall 2015–Summer 2016

Graduate Teaching Assistant. University of Texas at Arlington

Fall 2010–Spring 2014

Lecturer. Daffodil International University, Bangladesh

Spring 2010 – Summer 2010

MAJOR RESEARCH PROJECTS

• Computational Journalism

Computational Framing [C1]: Framing analysis is predominantly qualitative and quantitative, examining a small dataset with manual coding. Easy access to digital data in the last two decades prompts scholars in both computation and social sciences to utilize various computational methods to explore frames in large-scale datasets. However, the existing computational methods lack the understanding of semantic relations among framing devices. This project aims to leverage semantic and syntactic relations in language to develop novel automated framing analysis resources.

Clickbait Practice in the Media [J1, C3, C15, C19, O13]: The term clickbait refers to a form of web content that employs writing formulas and linguistic techniques in headlines to trick readers into clicking links, but does not deliver on its promises. The purpose of this project is to **i)** develop computational techniques to understand the extent of clickbait usage by mainstream and non-mainstream media, **ii)** model users' clicking behavior with respect to clickbait, **iii)** and design algorithms to reduce the harmful effect of clickbait in social media.

Automated Fact-checking [C5, C7, C17, C18, O14, C20, O15, O17]: Journalists spend a lot of time fact-checking claims made by politicians. I am developing an automated live fact-checking platform named **ClaimViz** (<http://claimviz.umd.edu>). It has a text mining component that detects factual claims which are worth checking from political discourses such as presidential debates, a social media component that monitors check-worthy tweets and a community component that helps fact-checking enthusiasts discuss and collaborate with each other. This project is a collaboration between UMD and York University, Canada.

Sustainable Fact-checking [C6, C13, O4, O12]: Sustainability is a major challenge for fact-checking platforms. About one-third of all fact-checking platforms have become inactive after a certain period. The goal of the project is to develop a sustainable model for fact-checking platforms. Towards that goal, we are investigating how fact-checking platforms sustain in adverse conditions and low-resource environment.

Health Misinformation [J6, C12, J7, J2, J4]: Misinformation in health is common and can arise from a variety of sources, including knowledge gaps, intentional manipulation (disinformation), and beliefs based on outdated, incorrect, or insufficient knowledge sources. Misinformation can lead to serious public health consequences, such as vaccine-preventable disease and opioid addiction epidemics. The goal of this project is to design and develop technologies to combat health misinformation.

Significant Fact Monitoring [J9, O16, C23]: Developed an award winning system **Fact-Watcher**, which helps journalists identify data-backed, attention-seizing facts from ever-growing database. These facts serve as leads to news stories. Demonstration is available at <http://idir.uta.edu/factwatcher>.

• Social Computing

Combating Sexual Harassment [C8, C10, C11, C14]: Tracking sexual harassment is a major challenge. Most systems take a crowdsourcing based approach. It has limitation in terms of credibility and scalability. This project aims at leveraging social media networks to track sexual harassment. It also aims to identify the loopholes in the current social networks in terms of preventing and mitigating sexual harassment.

Social Media Engagement [O5, O11, O9, O10]: The objective of this project is to explore how social media is used as an engagement medium by different entities such as political institutions and

media (print, broadcast) organizations.

- **Natural Language Processing**

Sentence Representation [C16]: Sentence embedding is important for many text processing tasks that involve clustering, classifying, or ranking. Recently, distributed representation of sentences learned by neural models from unlabeled data has been shown to outperform the traditional bag-of-words representation. However, Most of the existing representation learning methods consider only the content of a sentence and disregard the relations among sentences in a discourse by and large. The objective of this project is to explore novel models for learning latent representations of sentences that consider the content of a sentence as well as inter-sentence relations.

- **Multi-dimensional Pareto-optimal Analysis**

Skyline Group [C22, J10, C24]: We formulated the novel *Skyline Group* problem. One of its many applications is finding expert groups to complete tasks. Demonstrations on three domains (sports, question-answering, paper review) are available at <http://idir.uta.edu/crewscout>.

Crowdsourcing Pareto-Optimal Objects Finding [C21]: This is the first study on crowdsourcing Pareto-optimal object finding, which has applications in public opinion collection, group decision making, and information exploration. Departing from prior studies on crowdsourcing skyline and ranking queries, it considers the case where objects do not have explicit attributes and preference relations on objects are strict partial orders. The partial orders are derived by aggregating crowd-sourcers' responses to pairwise comparison questions. The goal is to find all Pareto-optimal objects by the fewest possible questions.

PUBLICATIONS

- **Peer-Reviewed Conference Publications:**

- C1 Mohammad Ali, Naemul Hassan. A Survey of Computational Framing Analysis Approaches. In *Empirical Methods in Natural Language Processing (EMNLP) Conference*. 2022 (pp. 9335-9348).
- C2 Yuhan Luo, Young-Ho Kim, Bongshin Lee, Naemul Hassan, Eun Kyoung Choe. FoodScrap: Promoting Rich Data Capture and Reflective Food Journaling Through Speech Input. In *Designing Interactive Systems (DIS) Conference*. 2021 (pp. 606-618).
- C3 Maria D. Molina, S Shyam Sundar, Md Main Uddin Rony, Naemul Hassan, Thai Le, Dongwon Lee. Does Clickbait Actually Attract More Clicks? Three Clickbait Studies You Must Read. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems*. 2021.
- C4 SM Taiabul Haque, Rayhan Rashed, Mehrab Bin Morshed, Md Main Uddin Rony, Naemul Hassan, Syed Ishtiaque Ahmed. Exploring the Tensions between the Owners and the Drivers of Uber Cars in Urban Bangladesh. In *Proceedings of the 24th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*. 2021.
- C5 Md Main Uddin Rony, Enamul Hoque, Naemul Hassan. *ClaimViz*: Visual Analytics for Identifying and Verifying Factual Claims. In *Proceedings of the 2020 IEEE Visualization Conference (VIS)*. 2020. (short paper)
- C6 Md Mahfuzul Haque, Mohammad Yousuf, Ahmed Shatil Alam, Pratyasha Saha, Syed Ishtiaque Ahmed, Naemul Hassan. Combating Misinformation in Bangladesh: Roles and Responsibilities as Perceived by Journalists, Fact-checkers, and Users. In *Proceedings of the 23rd ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*. 2020.

- C7 Fatma Arslan, Naeemul Hassan, Chengkai Li, Mark Tremayne. A Benchmark Dataset of Check-worthy Factual Claims. In *Proceedings of the International AAAI Conference on Web and Social Media (ICWSM)*, Georgia, USA, 2020.
- C8 Naeemul Hassan, Amrit Poudel, Jason Hale, Claire Hubacek, Khandakar Tasnim Huq, Shubhra Kanti Karmaker Santu, Syed Ishtiaque Ahmed. Towards Automated Sexual Violence Report Tracking. In *Proceedings of the International AAAI Conference on Web and Social Media (ICWSM)*, Georgia, USA, 2020.
- C9 Aparna Moitra, Naeemul Hassan, Manash kumar Mandal, Mansurul Bhuiyan, Syed Ishtiaque Ahmed. Understanding the Challenges for Bangladeshi Women to Participate in #MeToo Movement. In *Proceedings of the ACM on Human-Computer Interaction*, Vol. 4, No. GROUP, Article 15. ACM, New York, NY, USA. January 2020.
- C10 Abigail Garrett, Naeemul Hassan. Understanding the Silence of Sexual Harassment Victims Through the #WhyIDidntReport Movement. In *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Vancouver, Canada, 2019. (short paper)
- C11 Naeemul Hassan, Manash kumar Mandal, Mansurul Bhuiyan, Aparna Moitra, Syed Ishtiaque Ahmed. Can Women Break the Glass Ceiling?: An Analysis of #MeToo Hashtagged Posts on Twitter. In *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Vancouver, Canada, 2019. (short paper)
- C12 Sameer Dhoju, Md Main Uddin Rony, Muhammad Ashad Kabir, Naeemul Hassan. Differences in Health News from Reliable and Unreliable Media. In *Companion Proceedings of The ACM 2019 World Wide Web Conference*, USA, 2019. (workshop paper)
- C13 Naeemul Hassan, Mohammad Yousuf, Md Mahfuzul Haque, Javier A Suarez Rivas, Md Khadimul Islam. Examining the Roles of Automation, Crowds and Professionals Towards Sustainable Fact-checking. In *Companion Proceedings of The ACM 2019 World Wide Web Conference*, USA, 2019. (workshop paper)
- C14 Naeemul Hassan, Manash kumar Mandal, Mansurul Bhuiyan, Aparna Moitra, Syed Ishtiaque Ahmed. Nonparticipation of Bangladeshi Women in #MeToo Movement. In *Proceedings of the 10th International Conference on Information and Communication Technologies and Development (ICTD)*, Ahmedabad, India, January, 2019.
- C15 Md Main Uddin Rony, Naeemul Hassan, Mohammad Yousuf. BaitBuster: A Clickbait Identification Framework. In *Proceedings of the 32nd AAAI Conference on Artificial Intelligence (AAAI-18)*, New Orleans, Louisiana, USA, February, 2018. (short paper)
- C16 Tanay Kumar Saha, Shafiq Joty, Naeemul Hassan, Mohammad Al Hasan. Learning Sentence Representation with Context. In *Proceedings of the 26th ACM International Conference on Information and Knowledge Management (CIKM)*, Singapore, November, 2017.
- C17 Naeemul Hassan, Gensheng Zhang, Fatma Arslan, Josue Caraballo, Damian Jimenez, Siddhant Gawsane, Shohedul Hasan, Minumol Joseph, Aaditya Kulkarni, Anil Kumar Nayak, Vikas Sable, Chengkai Li, Mark Tremayne. ClaimBuster: The First-ever End-to-end Fact-checking System. In *Proceedings of the 43rd International Conference on Very Large Databases (VLDB)*, 4 pages, Munich, Germany, August 2017. (short paper)

- C18 Naeemul Hassan, Fatma Arslan, Chengkai Li, and Mark Tremayne. Toward Automated Fact-Checking: Detecting Check-worthy Factual Claims by ClaimBuster. In *Proceedings of the 23rd SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 10 pages, Halifax, Nova Scotia, Canada, August 2017.
- C19 Md Main Uddin Rony, Naeemul Hassan, Mohammad Yousuf. Diving Deep into Clickbaits: Who Use Them to What Extents in Which Topics with What Effects? In *Proceedings of the 2017 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, 8 pages, Sydney, Australia, 2017.
- C20 Naeemul Hassan, Chengkai Li, and Mark Tremayne. Detecting Check-worthy Factual Claims in Presidential Debates. In *Proceedings of the 24th ACM International Conference on Information and Knowledge Management (CIKM)*, pages 1835-1838, Melbourne, Australia, October 2015. DOI 10.1145/2806416.2806652. (short paper)
- C21 Abolfazl Asudeh, Gensheng Zhang, Naeemul Hassan, Chengkai Li, and Gergely Zaruba. Crowdsourcing Pareto-Optimal Object Finding by Pairwise Comparisons. In *Proceedings of the 24th ACM International Conference on Information and Knowledge Management (CIKM)*, pages 753-762, Melbourne, Australia, October 2015. DOI 10.1145/2806416.2806451.
- C22 Naeemul Hassan, Huadong Feng, Ramesh Venkataraman, Gautam Das, Chengkai Li, and Nan Zhang. Anything You Can Do, I Can Do Better: Finding Expert Teams by CrewScout. In *Proceedings of the 23rd ACM International Conference on Information and Knowledge Management (CIKM)*, pages 2030-2032, Shanghai, China, November 2014. DOI 10.1145/2661829.2661839. Demonstration track.
- C23 Afroza Sultana, Naeemul Hassan, Chengkai Li, Jun Yang, and Cong Yu. Incremental Discovery of Prominent Situational Facts. In *Proceedings of the 30th International Conference on Data Engineering (ICDE)*, pages 112-123, Chicago, Illinois, April 2014. DOI 10.1109/ICDE.2014.6816644.
- C24 Chengkai Li, Nan Zhang, Naeemul Hassan, Sundaresan Rajasekaran, and Gautam Das. On Skyline Groups. In *Proceedings of the 21st ACM International Conference on Information and Knowledge Management (CIKM)*, pages 2119-2123, Maui, Hawaii, November 2012. DOI 10.1145/2396761.2398585. (short paper)
- C25 Zamshed Iqbal Chowdhury, Masudul Haider Imtiaz, Muhammad Moinul Azam, Mst Sumi, Rumana Aktar, Md Rahman, Farzana Alam, Ishtiaq Hussain and Naeemul Hassan. Design and Deployment of a Robust Remote River Level Sensor Network. *IEEE Sensors Applications Symposium (SAS)*, pages 244-249, San Antonio, Texas, February 2011. DOI 10.1109/SAS.2011.5739776.
- C26 SM Rifat Ahsan, Mohammad Saiful Islam, Naeemul Hassan and Ashikur Rahman. Packet Distribution Based Tuning of RTS Threshold in IEEE 802.11. *IEEE Symposium on Computers and Communications (ISCC)*, pages 1-6, Riccione, Italy, June 2010. DOI 10.1109/ISCC.2010.5546703.

• **Peer-Reviewed Journal Publications:**

- J1 Ronald Yaros, Md Mahfuzul Haque, Md Main Uddin Rony, Naeemul Hassan. Testing effects of the amount of information and style in headlines on selection and interactivity. (under review)
- J2 Jonathan D Baghdadi, KC Coffey, Rachael Belcher, James Frisbie, Naeemul Hassan, Danielle Sim, Rena D Malik. #Coronavirus on TikTok: user engagement with misinformation as a potential threat to public health behavior. *Journal of the American Medical Informatics Association (JAMIA)*, JAMIA Open, Volume 6, Issue 1, April 2023. DOI 10.1093/jamiaopen/ooad013.

- J3 Rachael E Belcher, Danielle Sim, Marcella Meykler, Jeunice Owens-Walton, Naeemul Hassan, Rachel S Rubin, Rena D Malik. A qualitative analysis of female Reddit users experiences with low libido: how do women perceive their changes in sexual desire? *The Journal of Sexual Medicine*, Volume 20, Issue 3, March 2023, Pages 287297. DOI 10.1093/jsxmed/qdac045.
- J4 Amber S Herbert, Naeemul Hassan, Rena D Malik, Stacy Loeb, Akya Myrie. Exploring Urological Malignancies on Pinterest: Content Analysis. *Journal of Medical Internet Research, JMIR Cancer*, Vol 8 , No 3 (2022) :Jul-Sep. DOI 10.2196/36244.
- J5 Belcher, R., Sim, D., Meykler, M., Owens-Walton, J., Hassan, N., Rubin, R., & Malik, R. Female Sexual Dysfunction: A Reddit Analysis of the Lost Libido. *The Journal of Sexual Medicine*, 19(8), S19-S20. DOI 10.1016/j.jsxm.2022.05.043.
- J6 Afsana, Fariha and Kabir, Muhammad Ashad and Hassan, Naeemul and Paul, Manoranjan. Automatically Assessing Quality of Online Health Articles. *IEEE Journal of Biomedical and Health Informatics*. Volume: 25, Issue: 2, February 2021. 10.1109/JBHI.2020.3032479.
- J7 Sameer Dhoju, Md Main Uddin Rony, Muhammad Ashad Kabir, Naeemul Hassan. A Large-Scale Analysis of Health Journalism by Reliable and Unreliable Media. In *Proceedings of the Studies in Health Technology and Informatics*, Volume 264, pages 93-97, August 2019. DOI 10.3233/SHTI190190.
- J8 Mohammad R. Hasan, Naeemul Hassan , Rayan Khan, Young-Tae Kim, Samir M. Iqbal. Classification of Cancer Cells using Computational Analysis of Dynamic Morphology. In *Proceedings of the Computer Methods and Programs in Biomedicine*, 2018.
- J9 Naeemul Hassan, Afroza Sultana, You Wu, Gensheng Zhang, Chengkai Li, Jun Yang, and Cong Yu. Data In, Fact Out: Automated Monitoring of Facts by FactWatcher. In *Proceedings of the VLDB Endowment (PVLDB)*, pages 1557-1560, Hangzhou, China, September 2014. DOI 10.14778/2733004.2733029. **Excellent demonstration award.**
- J10 Nan Zhang, Chengkai Li, Naeemul Hassan, Sundaresan Rajasekaran, and Gautam Das. On Skyline Groups. *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, 26(4):942-956, April 2014. DOI 10.1109/TKDE.2013.119.

• **Other Works (Peer-reviewed Conference Presentations (non-archival), Dissertation, Technical Reports, Datasets):**

- O1 Md Mahfuzul Haque, Naeemul Hassan. Understanding the Narratives of Misinformation about Muslims. In the CHI 2022 workshop, *Integrating Religion, Faith, and Spirituality in HCI*, 2022.
- O2 Naeemul Hassan. Toward Automated Fact Monitoring and Checking. Ph.D. Dissertation. University of Texas at Arlington. August 2016.
- O3 Md Mahfuzul Haque, Ahmed Shatil Alam, Mohammad Yousuf, Syed Ishtiaque Ahmed, Naeemul Hassan. Combating Misinformation in Bangladesh: Roles and Responsibilities as Perceived by Journalists, Fact-checkers, and Users. *Association for Education in Journalism and Mass Communication (AEJMC) Midwinter conference*, Oklahoma, USA, March, 2020.
- O4 Md Mahfuzul Haque, Mohammad Yousuf, Zahedur Arman, Md Main Uddin Rony, Ahmed Shatil Alam, Kazi Mehedi Hasan, Md Khadimul Islam, Naeemul Hassan. Fact-checking Initiatives in Bangladesh, India, and Nepal: A Study of User Engagement and Challenges. In *Computation+Journalism Symposium (C+J2019)*, Florida, February, 2019.

- O5 Md Main Uddin Rony, Mohammad Yousuf, Naeemul Hassan. A Large-scale Study of Social Media Sources in News Articles. In *2019 Computation+Journalism Symposium (C+J2019)*, Florida, February, 2019.
- O6 Sima Bhowmik, Md Main Uddin Rony, Md Mahfuzul Haque, Kristen Alley Swain, and Naeemul Hassan. Examining the Role of Clickbait Headlines to Engage Readers with Reliable Health-related Information. *2019 AAAI Fall Symposium: AI for Social Good Program*.
- O7 Fariha Afsana, Muhammad Ashad Kabir, Naeemul Hassan, and Manoranjan Paul. Towards Domain-specific Characterization of Misinformation. *2019 AAAI Fall Symposium: AI for Social Good Program*.
- O8 Naeemul Hassan, Mohammad Yousuf, Md Main Uddin Rony. “I found this on Facebook/Twitter”: Use of Social Media as Source. The 2nd Annual Conference on Politics and Computational Social Science (PaCSS), Washington DC, USA, 2019.
- O9 Mohammad Yousuf, Naeemul Hassan, Md Main Uddin Rony. “All the President’s tweets”: A Large-scale Study of Uses of Social Media Content in Online News. In *Association for Education in Journalism and Mass Communication (AEJMC)*, Washington, DC, USA, August 2018.
- O10 Mohammad Yousuf, Naeemul Hassan, Md Main Uddin Rony. Social Media as Source: A Large-scale Study of Mainstream and Unreliable News Sites. In *Association for Education in Journalism and Mass Communication (AEJMC) Midwinter conference*, Oklahoma, USA, March, 2018.
- O11 Mohammad Yousuf, Naeemul Hassan, Md Main Uddin Rony. Boon or Bane for Political Engagement: A Large-Scale Study of Normalization of Facebook. In *68th International Communication Association (ICA) annual conference*, Prague, Czech Republic, May, 2018.
- O12 Naeemul Hassan, Mohammad Yousuf, Md Mahfuzul Haque, Javier A. Suarez Rivas, Md Khadimul Islam. Towards A Sustainable Model for Fact-checking Platforms: Examining the Roles of Automation, Crowds and Professionals. In *Computation+Journalism Symposium (C+J2017)*, Illinois, October, 2017.
- O13 Md Main Uddin Rony, Naeemul Hassan, Mohammad Yousuf. BaitBuster: Destined to Save You Some Clicks. In *Computation+Journalism Symposium (C+J2017)*, Illinois, October, 2017.
- O14 Naeemul Hassan, Mark Tremayne, Fatma Arslan and Chengkai Li. Comparing Automated Factual Claim Detection Against Judgments of Journalism Organizations. In *Computation+Journalism Symposium*, 5 pages, San Francisco, CA, USA, September 2016.
- O15 Naeemul Hassan, Bill Adair, James Hamilton, Chengkai Li, Mark Tremayne, Jun Yang and Cong Yu. The Quest to Automate Fact-Checking. In *Computation+Journalism Symposium*, 5 pages, New York City, USA, October 2015.
- O16 Brett Walenz, You (Will) Wu, Seokhyun (Alex) Song, Emre Sonmez, Eric Wu, Kevin Wu, Pankaj K. Agarwal, Jun Yang, Naeemul Hassan, Afroza Sultana, Gensheng Zhang, Chengkai Li, and Cong Yu. Finding, Monitoring, and Checking Claims Computationally Based on Structured Data. In *Computation+Journalism Symposium*, 5 pages, New York City, USA, October 2014.
- O17 Naeemul Hassan, Chengkai Li, Mark Tremayne. ClaimBuster: An Automated Live Fact-Checking Platform. *Graduate Poster*, ACES 2016. **President’s Award**.

O18 Abolfazl Asudeh, Gensheng Zhang, Naeemul Hassan, Chengkai Li, and Gergely V. Zaruba. Crowdsourcing Pareto-Optimal Object Finding by Pairwise Comparisons. *Technical Report*, arXiv:1409.4161, September 2014.

O19 Dataset of factual claims in all U.S. presidential debates. doi.org/10.5281/zenodo.3609356

PATENT

Classification of Indoor and Outdoor Telecommunications Events of Mobile Telecommunications Networks. Mario Kosseifi, Roswell, GA (US); Mark Austin, Roswell, GA (US); Jeremy Fix, Acworth, GA (US); Naeemul Hassan, Arlington, TX (US); and Sheldon Kent Meredith, Marietta, GA (US). US20140155085 A1. December 4, 2012.

GRANT

I am fortunate to have my research supported by both internal and external grants including National Science Foundation (NSF). The total amount of grants received is **\$369,405**.

1. Exploring Mixed (Human+AI) Methods for Disarming Religious Disinformation in Bangladesh. International Center for Journalists (ICFJ), award of amount \$68,854, 06/01/2023 - 06/30/2024. (under processing, not official yet.)
2. Research Experiences for Undergraduates (REU) Supplement grant from National Science Foundation (NSF), award of amount \$16,000, 07/01/2021 - 06/30/2022.
3. SaTC: CORE: Medium: Collaborative: BaitBuster 2.0: Keeping Users Away From Clickbait. National Science Foundation (NSF), award of amount \$228,401, 07/01/2020 - 06/30/2024.
4. RAISE: C-Accel Pilot - Track A1: Credible Open Knowledge Network. National Science Foundation (NSF), Subaward of amount \$30,000, 09/09/2019 - 05/31/2020.
5. CHORD: Combating Health-oriented Disinformation. Naeemul Hassan (PI), Kristen Alley Swain. University of Mississippi Big Data Flagship Constellation Seed Grant, \$5,700, 01/22/2019 - 12/15/2019.
6. Undergraduate Research in Data Science. Naeemul Hassan (PI), Dawn Wilkins, Conrad Cunningham, J. Adam Jones, Yixin Chen. University of Mississippi Internal Grant, \$20,450, 06/04/2018 - 08/10/2018.

AWARDS, FELLOWSHIPS & SCHOLARSHIPS

1. Exemplary Researcher Award. Maryland Research Excellence Celebration. 2023
2. Sally McDonnell Barksdale Honors College (SMBHC) Faculty Summer Stipend. Spring 2018
3. President's Award for Graduate Poster Presentation. ACES 2016 (out of 40 submissions)
4. Ph.D. Dissertation Fellowship. University of Texas at Arlington. Spring 2016
5. Graduate Fellowship. University of Texas at Arlington. Fall 2015, Spring 2016
6. Outstanding Teaching Assistant Award. University of Texas at Arlington. Spring 2015
7. CIKM 2015 Travel Grant
8. Computation+Journalism Symposium 2015 Travel Grant
9. Excellent Demonstration Award. VLDB 2014 (out of 115 submissions)
10. STEM Fellowship. University of Texas at Arlington. Fall 2010 – present
11. Dean's List Award. Bangladesh University of Engineering & Technology (BUET). 2007 – 2009
12. Computer Science & Engineering Academic Merit Scholarship. BUET. 2007 – 2009
13. University Engineering Scholarship. BUET. 2006 – 2009

MEDIA COVERAGE

1. *Reddit study shows abundance of misinformation on recurrent UTIs.* February 2022. <https://www.urologytimes.com/view/reddit-study-shows-abundance-of-misinformation-on-recurrent-utis>
2. *Computer science and UM School of Journalism and New Media researchers combat health disinformation.* January 2019. <https://jnm.olemiss.edu/tag/big-data-flagship-constellation-seed-grant/>
3. *Undergraduate Students Conduct Summer Data Science Research.* Edwin B. Smith. July 2018. <https://news.olemiss.edu/undergraduates-conducting-data-science-research-faculty-mentors/>
4. *Crowds have potential in fact-checking.* Khadimul Islam. July 2018. <http://newslab.org/crowds-potential-fact-checking/>
5. *Clickbait headlines grow in mainstream media.* Deb Wenger & Khadimul Islam. March 2018. <http://newslab.org/clickbait-headlines-grow-mainstream-media/>
6. *Data Day: Journalism school hosts annual workshop.* The Mississippian. November 18, 2016. <http://thedmonline.com/section-ole-miss-data-2day-journalism-school-hosts-annual-workshop/>
7. *Naeemul Hassan Joins CIS Faculty.* Ole Miss News. November 1, 2016. <http://news.olemiss.edu/naeemul-hassan-joins-cis-faculty/>
8. *Engineering Students Win Awards in ACES Competition.* UT Arlington News. March 31, 2016. <http://www.uta.edu/engineering/news-events/news-archives/2016/03-ACES.php>
9. *Graduate students work to help make voting process easier.* Brittany Harborth. January 29, 2016. http://www.theshorthorn.com/news/graduate-students-work-to-help-make-voting-process-easier/article_b7acf48c-c2e8-11e5-9091-d7aedf40fb3e.html
10. *New Software Developed at UTA Tracks Candidates Statements.* Julie Fine. January 7, 2016. <http://www.nbcdfw.com/news/politics/New-Software-Developed-at-UTA-Tracks-Candidates-Statements-364565851.html>
11. *COLA Notes for December 2015.* College of Liberal Arts Newsroom. December 8, 2015. <https://utalibartsnews.wordpress.com/2015/12/08/cola-notes-for-december-2015/>
12. *In search of fact checkings Holy Grail: News outlets might not get there alone.* Craig Silverman. October 30, 2015. <https://medium.com/1st-draft/automated-fact-checking-and-verification-will-only-happen-if-organizations-other-than-newsrooms-can-84cf40689924>
13. *The Holy Grail of computational fact checking and what we can do in the meantime.* Alexios Mantzarlis. October 21, 2015. <http://www.poynter.org/news/international-fact-checking/379687/the-holy-grail-of-computational-fact-checking-and-what-we-can-do-in-the-meantime/>
14. *Reporters Lab projects featured at Computation + Journalism conference.* Julia Donheiser. October 6, 2015. <https://reporterslab.org/tag/university-of-texas-arlington/>
15. *Students work to develop new fact checking database.* Benjamin Owens. October 24, 2014. http://www.theshorthorn.com/news/students-work-to-develop-new-fact-checking-database/article_23ce2b92-5bc3-11e4-9882-001a4bcf6878.html

INVITED TALKS, PANELS, PRESENTATIONS & GUEST LECTURES

1. Data Journalism: Using Data to Tell Impactful Stories. UMD Special Presentation. February 2023.
2. A Posthuman Age? Science, Technology and the Future of Civilizations. The Institute of Alliance of Civilizations, Ibn Haldun University. May 2021.
3. Computational Fact-checking. 'Fact-Check Week', a conference organized by Korea Community Media Foundation in Republic of Korea. April, 2021.
4. COVID-19 in the Age of Disinformation. Merrill College of Journalism. Apr 2020.
5. Fighting Disinformation to Save Democracy, UMD iSchool panel discussion. Mar, 2020.
6. Computational Solutions against Fake News: DB vs. AI Approaches, AAAI Tutorial, Feb, 2018.
7. Computational Journalism. 2017 Southeast Journalism Conference, Mississippi, Feb, 2017.
8. Detecting Check-worthy Factual Claims in Presidential Debates. Knight Foundation, Apr 2016.
9. ClaimBuster Demonstration. Tech & Check, Duke University, Mar 2016
10. Towards Automated Fact-checking. University of Mississippi, Mar 2016.
11. Computational Journalism. CSE 5334- Data Mining, University of Texas at Arlington, Feb 2016.
12. Data Science for Computational Journalism. The Dallas Morning News, Texas, Apr 2015.
13. Skyline Queries. CSE 5334- Data Mining, University of Texas at Arlington, Dec 2012.
14. On Skyline Groups. CSE 5334- Data Mining, University of Texas at Arlington, Apr 2012.

SERVICES

1. Diversity, Equity, & Inclusion Chair. International AAAI Conference on Web and Social Media (ICWSM), 2021.
2. Guest Editor: ACM Journal of Data and Information Quality (ACM JDIQ), MDPI Special Issue on Data Analytics and Visualization in Health Informatics
3. Program Committee Member: ICTD 2022, Truth and Trust Online 2022, Computation+Journalism Symposium 2020, Big Data 2022, 2021, 2020, 2019, The Web Conference 2019, IVAPP 2019, CIKM 2018, Data Science and Systems (DSS-2018), The Web Conference 2018, CIKM 2017, SmartData 2017, SumPre 2017
4. Tutorial/Workshop Organizer: AAAI 2018, SEJC 2017
5. Reviewer/Sub-reviewer: DAPD 2020, ICWSM 2023, 2022, 2021, 2020, CHI 2020, VLDB 2018, WWW 2018, ACMSE 2018, DAPD 2018, ICDE 2017, VLDB 2017, ICDM 2016, CIKM 2016, SIGMOD 2015, VLDB 2014, EDBT 2014, ICDE 2014, ICDM 2013, ICDE 2013, CIKM 2013, WWW 2013, WAIM 2012, CIKM 2012, ICDM 2012, ICDM 2011.
6. Undergraduate Poster Judge: Mississippi Region VII Science Fair 2017, ACES 2016.