

ENAMUL HOQUE PRINCE

Curriculum Vitæ (Aug 2021)

Address: 3052 Victor Phillip Dahdaleh Building (DB)
4700 Keele Street
Toronto, Ontario, Canada, M3J 1P3
Phone: +1(416)736-2100 x 33880
Email: enamulh@yorku.ca
Web: <http://www.yorku.ca/enamulh>

RESEARCH INTERESTS

My research addresses the challenges of the information overload problem using an interdisciplinary lens, combining information visualization and human-computer interaction with natural language processing. In particular, I design and develop both text analysis and interactive visualization techniques to explore a large amount of data.

EDUCATION

- 09/ 2012- 05/2017 **University of British Columbia (UBC)**, Canada
PhD in Computer Science
Advisor: Giuseppe Carenini
Committee: Tamara Munzner, Raymond Ng, Sheelagh Carpendale (external)
Thesis: *Visual text analytics for online conversations*
- 01/ 2010- 01/2012 **Memorial University of Newfoundland (MUN)**, Canada
MSc in Computer Science
Advisors: Orland Hoerber and Minglung Gong
Thesis: *Concept-based query expansion and interactive visualization for Web image search*
- 03/2003- 08/2007 **Chittagong University of Engineering & Technology (CUET)**, Bangladesh
BSc in Computer Science & Engineering

EMPLOYMENT RECORD

- from 07/ 2018 - **York University**, Canada
Assistant Professor, School of Information Technology
Graduate faculty member in the programs of Information Systems & Technology (MAIST) and Electrical Engineering and Computer Science (EECS)
- 07/2017- 07/2018 **Stanford University**, CA, USA
Postdoctoral scholar
Host: Maneesh Agrawala

- 05/2016- 09/2016 **Tableau Software**, Palo Alto, CA, USA
Research Intern
- 01/2016- 05/2016 **Qatar Computing Research Institute (QCRI)**, Qatar
Research Associate
- 09/2012- 01/2016 **University of British Columbia**, Canada
Research Assistant
- 09/2012- 04/2013, **University of British Columbia**, Canada
09/2016-06/2017 *Research Assistant*
- 01/2010- 12/2011 **Memorial University of Newfoundland**, Canada
Research Assistant

TEACHING EXPERIENCE

Assistant Professor, York University

- ITEC 3230: Designing User Interfaces (Undergraduate, 3.0)
 - Fall 2018: Sec A
 - Winter 2019: Sec M
 - Fall 2019: Sec A
 - Winter 2020: Sec M & N
 - Fall 2020: Sec A & B
 - Winter 2021: Sec M
- ITEC 6170: Information Visualization
 - Winter 2021: Sec A
- ITEC 6970: Advanced Topics in Information Technology¹(Graduate, 3.0)
 - Fall 2019: Sec A
- Directed reading (ITEC 4000): 7 students (2018-2020)
- Directed reading (ITEC 6002): 2 students (2018-2020)
- Directed reading (GS EECS 6002): 3 students (2018-2020)

Teaching Assistant, University of British Columbia

- CPSC 422: Artificial Intelligence 2 (Fall 2016, Fall 2015)
- CPSC 213: Introduction to Computer Systems (Summer 2015)

Teaching Assistant, Memorial University of Newfoundland

- CS 1700: Computer Basics 2010-11(Winter, Fall)

Lecturer, Chittagong University of Engineering and Technology

- Object Oriented Programming (2009)
- Computer Basics and Programming (2008)

¹ New Grad course on **Information Visualization** which will be offered as **GS/ITEC 6170** in future

- Algorithm Design (2008)
- Computer Graphics (2009)
- Fuzzy Logic & Neural Network (2009)

RESEARCH GRANTS

- 2019 – 2024 John R. Evans Leaders Fund, “Establishment of the Intelligent Visualization Laboratory” (**\$114,726**) from Canada Foundation for Innovation, (Principal investigator).
- 2018 – Discovery grant, “Natural Language Interactions with Visual Analytics” (**\$182,500**) for five years including Covid-19 Supplement (\$5K), Natural Sciences and Engineering Research Council (**NSERC**) of Canada, (Principal investigator).
- 2020 Startup grant (**\$30,000**), Faculty of Liberal Arts & Professional Studies, York University (Principal investigator).
- 2019 - 2020 Innovation York AI Industry Partnership Fund supported by the National Research Council of Canada Industrial Research Assistance Program (**NRC IRAP**), “Biomedical literature mining for clinical genomics” (**\$12,000**), (Principal investigator).
- Minor research grant, “Searching the Visual Style and Structure of Data Visualizations” (**\$5,000**), Faculty of Liberal Arts & Professional Studies, York University (Principal investigator).

PEER-REVIEWED PUBLICATIONS

- JOURNAL PAPERS [J11] Imran chowdhury, Abdul Moeid, **Enamul Hoque**, Muhammad Ashad Kabir, Md. Sabir Hossain and Mohammad Mainul Islam, [Designing and Evaluating Multimodal Interactions for Facilitating Visual Analysis with Dashboards](#), *IEEE Access*, vol. 9, pp. 60-71, doi: 10.1109/ACCESS.2020.3046623, 2021.
- [J10] **Enamul Hoque** and Maneesh Agrawala, [Searching the Visual Style and Structure of D3 Visualizations](#), *IEEE Transactions on Visualization and Computer Graphics (Proc. IEEE InfoVis)*, 26(1): 1236-1245, 2019.
- [J9] **Enamul Hoque** and Giuseppe Carenini, [Interactive topic hierarchy revision for exploring a collection of online conversations](#), *Journal of Information Visualization*, 18(3):318-338, 2018.
- [J8] **Enamul Hoque**, Vidya Setlur, Melanie Tory and Isaac Dykeman, [Applying pragmatics principles for interaction with visual analytics](#), *IEEE Transactions on Visualization and Computer Graphics (Proc. IEEE VAST)*, 24(1): 309-318, 2017.
- [J7] **Enamul Hoque** and Giuseppe Carenini, [Interactive topic modeling for exploring asynchronous online conversations: design and evaluation of ConVisIT](#), *ACM Transactions on Interactive Intelligent Systems (THIS)*, 6:(1), pp. 7:1-7:24, 2016.

- [J6]** Enamul Hoque and Giuseppe Carenini, [ConVis: A visual text analytic system for exploring blog conversations](#), *Journal of Computer Graphics Forum (Proc. EuroVis)*, 33(3): 221-230, 2014.
- [J5]** Cristina Conati, Giuseppe Carenini, **Enamul Hoque**, Ben Steichen and Dereck Toker, [Evaluating the impact of user characteristics and different layouts on an interactive visualization for decision making](#), *Journal of Computer Graphics Forum (Proc. EuroVis)*, 33(3): 371-380, 2014.
- [J4]** **Enamul Hoque**, Orland Hoerber, Minglun Gong, [CIDER: Concept-based image diversification, exploration, and retrieval](#), *Journal of Information Processing & Management (IPM)*, 49(5):1122-1138, 2013.
- [J3]** **Enamul Hoque**, Orland Hoerber, Minglun Gong, [Balancing the trade-offs between diversity and precision for Web image search using concept-based query expansion](#), *Journal of Emerging Technologies in Web Intelligence (JETWI)*, 4(1): 26-34, 2012.
- [J2]** **Enamul Hoque**, Orland Hoerber, Grant Strong, Minglun Gong, [Combining conceptual query expansion and visual search results exploration for Web image retrieval](#), *Journal of Ambient Intelligence and Humanized Computing (JAIHC)*, 4(3): 389-400, 2011.
- [J1]** Gahangir Hossain, **Enamul Hoque**, M. I. Monir, M. A. Sharif, [Automatic stemming and its impact in Bangla information retrieval](#), *Computer Science and Engineering Research Journal (CSERJ)*, 5: 17-23, ISSN: 1990-4010, 2008.
- CONFERENCE PAPERS **[C23]** Raymond Li, **Enamul Hoque**, Giuseppe Carenini, Richard Lester and Raymond Chau, [ConVIScope: Visual Analytics for Exploring Patient Conversations](#), In *Proceedings of IEEE Visualization (Vis 2021)* (accepted, short paper), 2021.
- [C22]** Mahmood Jasim, **Enamul Hoque**, Narges Mahyar, Ali Sarvghad, [CommunityPulse: Facilitating Community Input Analysis by Surfacing Hidden Insights, Reflections, and Priorities](#), In *Proceedings of the ACM Conference on Designing Interactive Systems (DIS)* **[Best Paper Honorable Mention Award]**, pp 846–863, 2021.
- [C21]** Jason Obeid and **Enamul Hoque**, [Chart-to-Text: Generating Natural Language Descriptions for Charts by Adapting the Transformer Model](#), In *Proceedings of the International Conference on Natural Language Generation (INLG)*, pp. 138-147, 2020.
- [C20]** Tahmid Rahman, **Enamul Hoque** and Jimmy Huang, [WSL-DS: Weakly Supervised Learning with Distant Supervision for Query Focused Multi-Document Abstractive Summarization](#), In *Proceedings of the international Conference on Computational Linguistics (COLING)*, pp. 5647–5654, 2020 (Short paper).

- [C19] Md Main Uddin Rony, **Enamul Hoque** and Naeemul Hassan, [ClaimViz: Visual Analytics for Identifying and Verifying Factual Claims](#), In *Proceedings of IEEE Visualization*, pp. 246-250, 2020 (short paper).
- [C18] Vidya Setlur, **Enamul Hoque**, Dae Hyun Kim and Angel X. Chang, [Sneak Pique: Exploring Autocompletion as a Data Discovery Scaffold for Supporting Visual Analysis](#), In *Proceedings of ACM User Interface Software and Technology Symposium (UIST)*, pp 966–978, 2020.
- [C17] Tahmid Rahman, **Enamul Hoque** and Jimmy Huang, [Query Focused Abstractive Summarization via Incorporating Query Relevance and Transfer Learning with Transformer Models](#), In *Proceedings of the Canadian AI*, pp. 342-348, 2020 (Short paper).
- [C16] Dae Hyun Kim, **Enamul Hoque** and Maneesh Agrawala, [Answering Questions about Charts and Generating Visual Explanations](#), In *Proceedings of The ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 1-13, 2020.
- [C15] Mahmood Jasim, **Enamul Hoque**, Ali Sarvghad, Narges Mahyar, [Towards Understanding Desiderata for Large-Scale Civic Input Analysis](#), In *Proceedings of The ACM Conference on Human Factors in Computing Systems (CHI)*, (late-breaking work), pp. 1-8, 2020.
- [C14] Tahmid Rahman, Jimmy Huang and **Enamul Hoque**, [Contextualized Embeddings based Transformer Encoder for Sentence Similarity Modeling in Answer Selection Task](#), In *Proceedings of the 12th International Conference on Language Resources and Evaluation (LREC)*, pp. 5505-5514, 2020.
- [C13] Nadia Siddiqui and **Enamul Hoque**, [ConVisQA: A Natural Language Interface for Visually Exploring Online Conversations](#), In *Proceedings of the 24th International Conference Information Visualisation (IV)*, pp. 440-447, 2020.
- [C12] Tahmid Rahman, **Enamul Hoque** and Jimmy Huang, Utilizing Bidirectional Encoder Representations from Transformers for Answer Selection Task, In *Proceedings of the International Conference on Applied Mathematics, Modeling and Computational Science (AMMCS)*, 2019.
- [C11] **Enamul Hoque** and Esha Abid, [Visual Exploration of Topic Controversy in Online Conversations](#), In *Proceedings of HCI International (late-breaking work)*, pp 369-373, 2019.
- [C10] Dae Hyun Kim, **Enamul Hoque**, Juho Kim, Maneesh Agrawala, [Facilitating Document Reading by Linking Text and Tables](#), In *Proceedings of ACM User Interface Software and Technology Symposium (UIST)*, pp. 423-434, 2018.
- [C9] **Enamul Hoque** Shafiq Joty, Lluís Màrquez, and Giuseppe Carenini, [CQAVIS: Visual text analytics for community question answering](#), In *Proceedings of ACM Intelligent User Interfaces (IUI)*, pp. 161-172, 2017.

[C8] Shafiq Joty and **Enamul Hoque**, [Speech act modeling of written asynchronous conversations with task-specific embeddings and conditional structured models](#), In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (ACL)*, pp. 1746–1756, 2016.

[C7] **Enamul Hoque** and Giuseppe Carenini, [MultiConVis: A visual text analytics system for exploring a collection of online conversations](#), In *Proceedings of ACM Intelligent User Interfaces (IUI)*, pp. 96-107, 2016.

[C6] **E Hoque**, S. Joty, Lluís Màrquez, Alberto Barrón-Cedeño, Giovanni Martino, Alessandro Moschitti, Preslav Nakov, Salvatore Romeo, and Giuseppe Carenini, [An interactive system for exploring community question answering forums](#), In *Proceedings of the International Conference on Computational Linguistics (COLING)*, 2016.

[C5] **Enamul Hoque** and Giuseppe Carenini, [ConVisIT: Interactive topic modeling for exploring asynchronous online conversations](#), In *Proceedings of ACM Intelligent User Interfaces (IUI)*, pp. 169-180 2015.

[C4] Giuseppe Carenini, Cristina Conati, **Enamul Hoque**, Ben Steichen, Dereck Toker, James Enns², [Highlighting interventions and user differences: informing adaptive information visualization support](#), In *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 1835-1844, 2014.

[C3] **Enamul Hoque**, Grant Strong, Orland Hoerber Minglun Gong, [Conceptual query expansion and visual search results exploration for Web image retrieval](#), In *Proceedings of the Atlantic Web Intelligence Conference (AWIC)*, pp. 73-82, 2011.

[C2] G. Strong, **Enamul Hoque**, Minglun Gong and Orland Hoerber, [Organizing and browsing image search results based on conceptual and visual similarities](#), In *Proceedings of the International Symposium on Visual Computing*, pp. 481-490, 2010.

[C1] **Enamul Hoque**, Gahangir Hossain, Ali Akbar Dewan, Pijush Debnath, [An audible Bangla text entry method in mobile phones with intelligent keypad design](#), In *Proceedings of the International Conference on Computer and Information Technology (ICCIT)*, pp.279-284, 2009.

WORKSHOP PAPERS

[W6] Ahmed Masry and **Enamul Hoque**, [Integrating Image Data Extraction and Table Parsing Methods for Chart Question answering \(Chart Question Answering Workshop\)](#), in conjunction with the CVPR **[Best Paper Award]**, 2021.

[W5] **Enamul Hoque**, Giuseppe Carenini, [Multimedia summary generation from online conversations: Current approaches and future directions \(EMNLP](#)

² Author order is alphabetical except for last author

Workshop on New Frontiers in Summarization), in conjunction with the **EMNLP 2017**, Copenhagen, Denmark, 2017.

[W4] Enamul Hoque, Giuseppe Carenini and Shafiq Joty, [Interactive exploration of asynchronous conversations: Applying a user-centered approach to design a visual text analytic system](#). In *Proceedings of the Workshop on Interactive Language Learning, Visualization, and Interfaces (ILLVI 2014)*, in conjunction with the **ACL-2014**, Baltimore, USA.

[W3] Giuseppe Carenini, Cristina Conati, **Enamul Hoque**, Ben Steichen, [User Task adaptation in multimedia presentations](#). *Proceedings of the Workshop on User-Adaptive Information Visualization (WUAV 2013)*, in conjunction with the 21st conference on User Modeling, Adaptation and Personalization (**UMAP 2013**), Rome, Italy, June 2013.

[W2] Cristina Conati, **Enamul Hoque**, Dereck Toker, Ben Steichen, [When to adapt: Detecting user's confusion during visualization processing](#), *Proceedings of the Workshop on User-Adaptive Information Visualization (WUAV 2013)*, in conjunction with the 21st conference on User Modeling, Adaptation and Personalization (**UMAP 2013**), Rome, Italy, June 2013.

[W1] Enamul Hoque, Orland Hoeber, Minglun Gong, [Evaluating the trade-offs between diversity and precision for Web image search using concept-based query expansion](#), *Proceedings of the Workshop on Intelligent Web Interaction*, in conjunction with the IEEE/WIC/ACM **International Conference on Web Intelligence**, pp. 130-133, Lyon, France, 2011.

POSTERS **[P2]** Imran Chowdhury, Abdul Moeid, Enamul Hoque, Muhammad Ashad Kabir, Md. Sabir Hossain, Mohammad Mainul Islam, [MIVA: Multimodal Interactions for Facilitating Visual Analysis with Multiple Coordinated Views](#), In *Proceedings of the 24th International Conference Information Visualisation (IV)*, Virtual (2020).

[P1] Enamul Hoque, Orland Hoeber, Minglun Gong, [Concept-based interactive visualization approach to Web image search](#), In *Conference Compendium of the IEEE Information Visualization*, Providence, RI, USA, 2011.

STUDENT CONSORTIUM **[S2] Enamul Hoque**, [Visual text analytics for online conversations: Design, evaluation, and applications](#), In *Companion Publication of the International Conference on Intelligent User Interfaces (IUI)*, pp. 122-125, 2016.

[S1] Enamul Hoque, [Visual text analytics for asynchronous online conversations](#), In *Companion Publication of the International Conference on Intelligent User Interfaces (IUI)*, pp. 105-108, 2015.

BOOK CHAPTERS

[B1] Gabriel Murray, **Enamul Hoque** and Giuseppe Carenini, [Opinion summarization and visualization](#), in *Sentiment Analysis in Social Networks*, Eds. Pozzi, Fersini, Messina, Liu. Elsevier, pp. 171-187, 2016.

PATENTS

[P1] Vidya Setlur, Melanie Tory, Angel Chang, Sarah Battersby, Richard Gossweiler, Enamul Hoque, Isaac Dykeman. [Systems and methods of using natural language processing for visual analysis of a data set](#), US patent (10515121), 2019.

[P2] Vidya Setlur, Sarah Battersby, Melanie Tory, Richard Gossweiler, Angel Chang, Isaac Dykeman, Enamul Hoque. [Applying natural language pragmatics in a data visualization user interface](#), US patent (10515121), 2020.

INVITED TALKS

- Visual Text Analytics for Exploring and Understanding Social Media Texts, International Workshop on Computational Analysis of Undesired Texts on Social Media, Bangladesh, June 2021.
- Natural Language Interactions with Visual Analytics, Workshop on Big Data and Machine Learning (online), Chittagong, Bangladesh, Dec 2020.
- Natural Language Interactions with Visual Analytics, Department of Computer Science, Lakehead University, Canada (online), September 2020.
- Natural Language Interactions with Visual Analytics, IEEE Student Branch, Chittagong University of Engineering & Technology, Bangladesh (online), August 2020.
- Visual text analytics for exploring and understanding large datasets, Department of *EECS*, York University, Canada, January 2019.
- Visual text analytics for exploring and understanding large datasets, *Department of Computer Science*, University of Ontario Institute of Technology, Canada, January 2019.
- Visual text analytics for exploring and understanding large datasets, *FX Palo Alto Laboratory*, CA, USA, July 2018.
- Visual text analytics for exploring and understanding large datasets, *Department of Computer Science*, University of Victoria, Canada, February 2018.
- Visual text analytics for exploring and understanding large datasets, School of Information Technology, *York University*, Canada, February 2018.
- Visual text analytics for exploring and understanding large datasets, Department of Informatics, *New Jersey Institute of Technology*, USA, February 2018.

- Visual text analytics for exploring and understanding large datasets, School of Computing and Informatics (CMIX), *University of Louisiana at Lafayette*, USA, January 2018.
- Visual text analytics for exploring and understanding large datasets, Wee Kim Wee School of Communication and Information, *Nanyang Technological University*, Singapore, January 2018.
- MultiConVis: A Visual text analytics system for exploring a collection of online conversations, *UBC Laboratory for Computational Intelligence (LCI) Forum Talk*, Vancouver, BC, January 2017.
- Visual text analytics for online conversations, *Department of Linguistics*, Simon Fraser University, Burnaby, BC, January 2017.
- An overview of text visualization techniques, *UBC School of Library, Archival and Information Studies (iSchool)*, Vancouver, BC, December 2016.
- ConVis: A visual text analytic system for exploring asynchronous online conversations, *The Pacific Northwest Regional NLP Workshop (NW-NLP)*, Microsoft Research, Redmond, April 2014.
- A visual text analytic system for asynchronous conversations, *UBC Laboratory for Computational Intelligence (LCI) Forum Talk*, Vancouver, BC, November 2013.
- Conceptual query expansion and visual search results exploration for Web image retrieval, *Department of Computer Science*, Memorial University of Newfoundland, St. John's, NL, November 2010.

GRADUATE STUDENTS SUPERVISED

- 2021 - Md. Zubair Ibne Alam, master's student, EECS, York University
 2020 - Shankar Kantharaj, master's student, EECS, York University
 2020 - Ahmed Gamal Masry, master's student, EECS, York University
 2019 - Zehra Shirin, master's student, MAIST, York University
 2018 - 2021 Nadia Ashfaq Siddiqui, master's student, MAIST, York University
 2018 - 2021 Md Tahmid Rahman, master's student, EECS, York University
 2017-2018 Dae Hyun, PhD student, Stanford University

UNDERGRADUATE STUDENTS SUPERVISED

- 2021 Shehnaz Islam, Dean's Award for Research Excellence (**DARE**) Project, LAPS, York University
 2020 Sadiq H. Dharsi, Independent Research Project, York University
 2020 Dhruv Nayyar, Independent Research Project, York University
 2020 Ofosu Alfred, Independent Research Project, York University
 2019 Yumin Sun, Dean's Award for Research Excellence (**DARE**) Project, LAPS, York University

- 2019 Esha Abid, Independent Research Project, York University
- 2020 Jason Obeid, NSERC **USRA** Project, York University
- 2020 Rupali Kalia, Independent Research Project, York University
- 2019 Prina Wong, Independent Research Project, York University
- 2013 Rastko Djeric, Undergraduate student, UBC
- 2009 Kaya Gajos, Undergraduate student, UBC
- 2009 Kazi Shahadat Hossain, Undergraduate student, CUET
- 2009 Sumon Deb, Undergraduate student, CUET
- 2008 Priyanka Guha, Undergraduate student, CUET
- 2008 Pijush Debnath, Undergraduate student, CUET

GRADUATE SUPERVISORY COMMITTEES

- 2020-2021 Naeemeh Yadollahpour (MA in IST)
- 2019 Mehedi Hasan (MSc in CS)
- 2019- Sarah Akhavan Kazemzadeh (MSc in CS)
- 2019- Mehrnaz Zhian (PhD in CS)
- 2019-2019 Niloy Eric Costa (MSc in CS)
- 2019 Wisal Tambosi (MA in IST)

UNIVERSITY THESIS EXAMINATION

- May 2021 Saurabh Garg, MSc thesis, EECS (Internal examiner)
- May 2021 Narges Haghighati Boroujeni, MSc thesis, EECS (Internal examiner)
- Feb 2021 Sadia Chowdhury MSc thesis, EECS (Internal examiner)
- Oct 2020 Boyuan Chen, PhD thesis, EECS (Internal examiner)
- Nov 2020 Fahmida Pervin, MASc thesis, EECS (Internal examiner)

AWARDS AND HONORS

- 2021 Best Paper Honorable Mention Award for paper in ACM Conference on Designing Interactive Systems (DIS), 2021
- 2021 Best Paper in CVPR workshop on Chart Question Answering, 2021
- 2012-2016 Faculty of science graduate award, University of British Columbia
- 2015, 2016 Travel awards, IUI Conference
- 2014 Travel awards, ACL Conference
- 2012 Dean's doctoral award, Memorial University of Newfoundland (declined)
- 2012 Best prototype award, Human-computer interaction Graduate course, UBC
- 2011 Fellow of the school of graduate studies, Memorial University, Canada
- 2010-2011 School of graduate studies award, Memorial University, Canada
- 2007 University Merit Scholarship, CUET, Bangladesh

SERVICE TO THE UNIVERSITY

- 2018- Member, Committee of Teaching & Research, School of Information Technology
- 2020- Member, Curriculum Committee, School of Information Technology
- 2018- Research Coordinator, School of Information Technology
- 2019- Member, Executive Committee, MAIST Graduate Program
- 2019-2020 Member, Faculty Hiring Committee, School of Information Technology
- 2021 Member, CRC Hiring Committee, School of Information Technology
- 2021 Dean's Rep., Faculty Hiring Committee, School of Administrative Studies

SERVICE TO THE COMMUNITY

- Program committee
 - IUI: ACM Intelligent User Interfaces (2015-2021)
 - ACL: Annual Meeting of the Association for Computational Linguistics (2019-2021)
 - IEEE Visualization (2018-2021)
 - NAACL-HLT: Conference of the North American Chapter of the Association for Computational Linguistics (2018-2019, 2021)
 - Graphics Interface (2021)
- Reviewer (Journals)
 - TVCG: IEEE Transactions on Visualization and Computer Graphics (2019-2021)
 - CGF: Computer Graphics Forum (2021)
 - NLE: Natural language Engineering, Cambridge University Press, 2021
 - ACM Trans Asian and Low-Resource Language Information Processing (2020)
 - CGA: IEEE Computer Graphics and Applications (2020)
 - International Journal of Human - Computer Studies (2018)
 - ACM TIIS: ACM Transactions on Interactive Intelligent Systems (2017-2018)
 - Journal of Computational Intelligence (2017)
 - Journal of Informatics (2017)
 - Journal of Computer Graphics Forum (EuroVis) (2016)
- Reviewer (Conferences)
 - EMNLP: Empirical Methods in Natural Language Processing (2019-2020)
 - IJCAI-ECAI: International Joint Conferences on Artificial Intelligence (2018)
 - IEEE Visualization (2017-2021)
 - CHI: ACM Conference on Human Factors in Computing Systems (2018-2021)
 - UIST: ACM User Interface Software and Technology Symposium (2018, 2021)
 - NUSE: Workshop on Narrative Understanding, Storylines, and Events (2020)
 - DIS: Designing Interactive Systems (2019)
 - EMNLP Workshop on New Frontiers in Summarization (2019)

- HAAPIE: Workshop on Human Aspects in Adaptive and Personalized Interactive Environments (2017-2018)
- IIKE: Intelligence & Interaction in Knowledge Engineering (2018-2019)
- Workshop on Designing Technologies to Support Human Problem Solving (2018)
- Workshop on Human and Technology (2014)

Grant reviewer	Mitacs funding proposal (2018-2021)
Student volunteer	IUI 2016, ACL 2014, Canadian AI/GI/CRV 2011
Representative	Graduate Student Admission Committee, University of British Columbia (2016)
Vice-President	Bangladesh Student Association, Memorial University of Newfoundland (2011)

AFFILIATION

Member ACM, IEEE, ACL

REFERENCES

Available upon request.