

Ariful Islam Anik

PhD Student

Human-Computer Interaction Lab, University of Manitoba
Winnipeg, Manitoba, Canada

Cell: (+1) 431 5884594

E-mail: anikmai@myumanitoba.ca

Webpage: aianik.ca

RESEARCH INTERESTS

Human-Centered AI, Human-AI Interaction, User-Centered Design, Human-Computer Interaction.

EDUCATION

- 09/2020 - Present** **PhD in Computer Science**
University of Manitoba
Winnipeg, Canada.
Thesis: Exploring Explanations that Focus on Training Data
Supervisor: Dr. Andrea Bunt
- 09/2018 - 11/2020** **MSc in Computer Science**
University of Manitoba
Winnipeg, Canada.
Thesis: Data-Centric Explanations: Explaining Training Data of Machine Learning
Systems to Promote Transparency
Supervisor: Dr. Andrea Bunt
- 12/2012 - 12/2016** **BSc in Computer Science and Engineering (CSE)**
Islamic University of Technology (IUT)
Gazipur, Bangladesh.
Thesis: Activity Recognition of Badminton sports using Machine Learning
Supervisor: Dr. Kamrul Hasan

RESEARCH EXPERIENCES

- 09/2018 - Present** **Graduate Research Assistant**
Human-Computer Interaction Lab,
University of Manitoba
Winnipeg, Canada.
Supervisor: Dr. Andrea Bunt
- 01/2016 - 12/2016** **Undergraduate Research Assistant**
Systems and Software Lab
Islamic University of Technology (IUT)
Gazipur, Bangladesh.
Supervisor: Dr. Kamrul Hasan

AWARDS

2022	Computer Science progression award <i>University of Manitoba</i>
2020 - 2024	University of Manitoba Graduate Fellowship (UMGF) <i>University of Manitoba</i>
2018 - 2020	Computer Science Entrance Award <i>University of Manitoba</i>
2018	International Graduate Student Entrance Scholarship (IGSES) <i>University of Manitoba</i>
2012 - 2016	Organization of Islamic Cooperation (OIC) Scholarship <i>Islamic University of Technology</i>

PUBLICATIONS

1. **Ariful Islam Anik** and Andrea Bunt. 2021. Investigating Explanations that Target Training Data. In *Proceedings of the ACM IUI workshop on Transparency and Explanations in Smart Systems (TExSS)*. Texas, USA.
2. **Ariful Islam Anik** and Andrea Bunt. 2021. Data-Centric Explanations: Explaining Training Data of Machine Learning Systems to Promote Transparency. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI '21)*. Association for Computing Machinery, New York, NY, USA, Article 75, 1–13. DOI: <https://doi.org/10.1145/3411764.3445736>
3. **Ariful Islam Anik**, Mehedi Hassan, Hasan Mahmud, and Kamrul Hasan. "Activity recognition of a badminton game through accelerometer and gyroscope." In *Computer and Information Technology (ICCIT), 2016 19th International Conference on*, pp. 213-217. IEEE, 2016.

ACADEMIC EXPERIENCES

University of Manitoba	Teaching Assistant/Grader <i>Department of Computer Science</i> COMP1010: Introductory Computer Science 1 (Fall'21, Winter'22, Fall'22) COMP1012: Computer Programming for Scientists and Engineers (Summer'22) COMP1020: Introductory Computer Science 2 (Winter'22, Summer'22) COMP3020: Human-computer Interaction 1 (Fall'19, Fall'20, Fall'21, Fall'22) COMP4020: Human-computer Interaction 2 (Winter'21, Winter'22)
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ACADEMIC SERVICES

University of Manitoba	Graduate Student Member, Search Committee for Assistant/Associate & Professor, Department of Computer Science (2022)
Reviewer	CHI 2022, DIS 2022
Student Volunteer	CHI 2021

INVITED TALKS

1. "Designing Data-Centric Explanations for Machine Learning Systems," *Guest Lecture – Human-AI Interaction, Department of Computer Science, University of Manitoba, March 2022.*

WORK EXPERIENCES

- 12/2016 - 08/2018** **Assistant Programmer**
ICT Centre
Islamic University of Technology
Gazipur, Bangladesh.
- 11/2015 - 12/2015** **Intern Software Developer**
Android Application Developer
Datasoft Systems Bangladesh Limited
Dhaka, Bangladesh.

GRADUATE COURSES

- Fall 2021** Computational Geometry (*Dr. Stephane Durocher*)
- Winter 2021** Advanced Topics in Mobile HCI and Ubiquitous Computing (*Dr. Pourang Irani*)
CS Education Research and EdTech Innovations for CS (*Dr. Celine Latulipe*)
- Fall 2020** Data-Driven Software Engineering (*Dr. Shaowei Wang*)
- Winter 2019** Advanced Human-Robot Interaction (*Dr. James Young*)
Security and Privacy (*Dr. Noman Mohammed*)
- Fall 2018** Advanced Human-Computer Interaction (*Dr. Andrea Bunt*)
Online Algorithms (*Dr. Shahin Kamali*)

REFERENCES

Available Upon Request

Last Updated on - September 27, 2022