

Rabiul Awal

MAIR LAB at Mila, Montreal

<https://rabiul.me>

www.twitter.com/_rabiulawal

awalrabiul6@gmail.com

RESEARCH INTERESTS

Language & Vision, Representation Learning, Compositionality, Social NLP

EDUCATION

Master of Science | Computer Science

01/2021 – 12/2022

University of Saskatchewan (Overall grade 88%)

Saskatoon, Canada

External affiliation Social AI Studio at SUTD ◊ Supervisor: Roy Ka-Wei Lee

Thesis topic: Tackling Social Value Tasks with Multilingual NLP

Bachelor of Science | Computer Science

05/2014 – 12/2018

Noakhali Science and Technology University

Noakhali, Bangladesh

WORK EXPERIENCE

Research Intern

01/2023 –

Mila - Quebec AI Institute ◊ Supervisor: Aishwarya Agrawal

Montreal, Canada

- Working vision-language understanding and compositionality problem.

Machine Learning Intern

03/2022 – 09/2022

MITACS Accelerate Program ◊ Living Sky Technologies

Saskatoon, Canada

- Contributed scientific document summarization models
- Used LongFormer to support long input sequences, and integrated domain adaptive training.

Software Engineer

01/2019 – 12/2020

Data Team ◊ Goava Sales Intelligence AB [Startup]

Dhaka, Bangladesh

- Worked on 10+ scalable microservices and REST APIs using Flask, Lambda, API Gateway.
- Contributed to the Discover and Find Companies APIs, which generate leads from 3M+ profiles.
- Worked on refactoring data structures for indexing and searching big data using Elastic Search.
- Contributed to a distributed crawler (Nutch, AWS EMR, Hadoop) supporting thousands of websites crawl/day.

PUBLICATION

1. *MUSCAT: Multilingual Rumor Verification in Social Media Conversations*
Md Rabiul AWAL, Minh Dang Nguyen, Roy Ka-Wei LEE and Kenny Tsu Wei Choo
IEEE International Conference on Big Data (BIGDATA), 2022
2. *AngryBERT: Joint Learning Target and Emotion for Hate Speech Detection*
Md Rabiul Awal, Rui Cao, Roy Ka-Wei Lee, Sandra Mitrović
Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), 2021
3. *I miss you babe: Analyzing Emotion Dynamics During COVID-19 Pandemic*
Hui Xian Lynnette Ng, Roy Ka-Wei Lee, **Md Rabiul Awal**
Fourth Workshop on NLP and CSSS (EMNLP), 2020
4. On Analyzing Annotation Consistency in Online Abusive Behavior Datasets
Md Rabiul Awal, Rui Cao, Roy Ka-Wei Lee, Sandra Mitrović
ICWSM Data Challenge, 2020

SKILLS

Languages: Python, C++

Database: MySQL, NoSQL (Elasticsearch)

AWS: Sage Maker, Lambda, API Gateway, SQS, EMR, DynamoDB, EC2, S3

Framework: Pytorch, Tensorflow, Hadoop, Apache Nutch

MISC

- **MSc Representative** - Computer Science Graduate Council @UofS 2021–2022
- **Founder** – NLPDhaka, grass-root community for fostering ML in Bangladesh [website] 01/2021 – Present
- Graduate Teaching Fellowship @UofS, Canada 2021
- **President** – Computing Club @NSTU, Noakhali, Bangladesh 01/2017 – 06/2018
- 1st place at *NSTU Intra University Programming Contest, Dhaka, Bangladesh* 2016
- 3rd place at *CoU Regional Programming Contest (CoURPC), Comilla, Bangladesh* 2015