Tuhin Chakrabarty

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Education

Academic Qualifications

Columbia University   **NY,NY**
MS, Computer Science,3.91   *2017–2019*

Jadavpur University   **Kolkata, IN**
BS, Computer Science Engineering,3.9   *2010–2014*

Research

- **Masters Thesis :**
  Transfer Learning for Argument Mining
  Advisor : Kathleen Mckweon
  Used recent state of art transfer learning techniques in Natural Language Processing to improve and progress state of art in Argument Mining . Invented novel corpus and ways to fine tune pretrained models.

- *Role of Ordering of sentences in Discourse Coherence*
  Advisor : Kathleen Mckweon
  Developed neural dscourse coherence models to find the best ordering of sentences in afeedback message to increase persuasiveness .

- *Detecting Abusive Language using Deep Learning with Context Attention*
  Advisor : Smaranda Muresan
  Built a context aware attention model using stacked LSTM's to detect abuse in a better fashion . Improved over SOA on multiple benchmark abusive datasets.

- *Fact Extraction and Verification*
  Advisor : Smaranda Muresan
  Building better models for fact extraction and verification .

Publications

- IMHO Fine Tuning Improves Claim Detection
  Tuhin Chakrabarty , Christopher Hidey ,Kathy Mckweon
  Proceedings of NAACL , 2019

- ColumbiaNLP at SemEval-2019 Task 8: The Answer is Language Model Fine-tuning (2nd position)
  Tuhin Chakrabarty , Smaranda Muresan
  SEMEVAL 2019 , NAACL

- Robust Document Retrieval and Individual Evidence Modeling for Fact Extraction and Verification
  Tuhin Chakrabarty , Tariq Alhindi ,Smaranda Muresan
  Proceedings of the First Workshop on Fact Extraction and Verification , EMNLP 2018

- Pay "Attention" to your Context when Classifying Abusive Language
  Tuhin Chakrabarty , Kilol Gupta , Smaranda Muresan
  Proceedings of 3rd Abusive Language Workshop , ACL 2019

- Discourse Relation Prediction: Revisiting Word Pairs with Convolutional Networks
  Siddharth Varia, Christopher Hidey, **Tuhin Chakrabarty** ,
  Proceedings of 20th Annual meeting of SIGDIAL, 2019

Previous Employment

Amazon.com ,Alexa Natural Language Understanding   **Boston,MA**
Applied Scientist Intern   *May 2018 –August 2018*
Improving classification results of Alexa NLU utterances via diverse data generation using Weighted Finite State Transducers.

UBER,Risk Platform   **Hyderabad,IN**
Machine Learning Engineer   *Jan 2016 –July 2017*
Improving transparency by preventing partner and credit card fraud in emerging markets using machine learning techniques .