TUHIN CHAKRABARTY

tuhinjubcse.github.io

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EDUCATION

Columbia University, New York *Present*
PhD in Computer Science (Major in Natural Language Processing) GPA : 3.91
Advisor : **Smaranda Muresan**

Columbia University, New York *August 2017 - 2019*
Master of Science (Major in Natural Language Processing) GPA : 3.91
Department of Computer Science

Jadavpur University, Kolkata, India *July 2010 - June 2014*
Bachelor of Engineering in Computer Science GPA : 3.85

PUBLICATIONS

ARCHIVAL CONFERENCE PAPERS

1. **Generating similes ~~effortlessly~~ *like a Pro*: A Style Transfer Approach for Simile Generation**
Tuhin Chakrabarty, Smaranda Muresan and Nanyun Peng
Proceedings of The 2020 Conference on Empirical Methods in Natural Language Processing (Long)

2. **Content Planning for Neural Story Generation with Aristotelian Rescoring**
Seraphina Goldfarb-Tarrant,**Tuhin Chakrabarty**, Ralph Weischedel and Nanyun Peng
Proceedings of The 2020 Conference on Empirical Methods in Natural Language Processing (Long)

3. **R^3: Reverse, Retrieve, and Rank for Sarcasm Generation using CommonSense Knowledge**
Tuhin Chakrabarty, Debanjan Ghosh and Smaranda Muresan and Nanyun Peng
Proceedings of 2020 Annual Conference of the Association for Computational Linguistics (Long)

4. **DeSePtion: Dual Sequence Prediction and Adversarial Examples for Improved Fact-Checking**
Christopher Hidey, **Tuhin Chakrabarty**, Tariq Alhindi, Siddharth Varia ,Kriste Krstovski, Mona Diab and Smaranda Muresan
Proceedings of 2020 Annual Conference of the Association for Computational Linguistics (Long)

5. **AMPERSAND: Argument Mining for PERSuAsive oNline Discussions**
Tuhin Chakrabarty, Christopher Hidey, Smaranda Muresan, Kathy McKeown and Alyssa Hwang
Proceedings of 2019 Conference on Empirical Methods in Natural Language Processing and 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP), Hong Kong
* Accepted as a poster at Natural Language, Dialog and Speech (NDS) Symposium , New York Academy Of Sciences (Long)

6. **IMHO Fine Tuning Improves Claim Detection**
Tuhin Chakrabarty, Christopher Hidey, Kathy McKeown
Proceedings of 2019 Annual Conference of the North American Chapter of the Association for Computational Linguistics, (NAACL) (Short)

WORKSHOP PAPERS

1. **Discourse Relation Prediction: Revisiting Word Pairs with Convolutional Networks**
Siddharth Varia, Christopher Hidey, **Tuhin Chakrabarty**
Proceedings of the 20th Annual meeting of Special Interest Group on Discourse and Dialogue (SIG-DIAL), 2019 (Long)

2. **Pay "Attention" to your Context when Classifying Abusive Language**
Tuhin Chakrabarty, Kilol Gupta and Smaranda Muresan
Proceedings of 3rd Abusive Language Workshop, ACL 2019 (Long)

3. **The Answer is Language Model Fine-tuning**
Tuhin Chakrabarty and Smaranda Muresan
Proceedings of the 13th International Workshop on Semantic Evaluation, NAACL-HLT, Minneapolis, NAACL 2019 (Short)

4. **Robust Document Retrieval and Individual Evidence Modeling for Fact Extraction and Verification**
Tuhin Chakrabarty, Tariq Alihindi and Smaranda Muresan
Proceedings of 1st Workshop on Fact Extraction and Verification, EMNLP 2018 (Short)

RESEARCH EXPERIENCE

Research Assistant *August 2017 - Present*
Advisor: Smaranda Muresan
Columbia University

- Computational Creativity

- Learning from less labeled data for improved Dialogue and Discourse Understanding

- Argumentation (Structures and Semantics)

- Adversarial Attacks in Veracity/ Fact checking models

Research Assistant *August 2019 - July 2020*
Advisor: Nanyun Peng
Information Sciences Institute, University Of Southern California

- Creative text generation.

WORK EXPERIENCE

Summer Intern PhD, IBM Research *April 2020 - July 2020, YorkTown Heights, NY*
Generative models for Question Answering.

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

Machine Learning Engineer, UBER *Jan 2016 - August 2017, Hyderabad, India*
Improving transparency by preventing partner and credit card fraud in emerging markets using machine learning techniques.

Software Engineer, Amazon.com *July 2014 - Jan 2016, Hyderabad,India*
Backend Engineer in Customer Returns and Refunds team responsible for handling resolutions such as Return, Exchange, Replacement.

RELEVANT COURSEWORK

Machine Learning, Natural Language Processing, Deep Learning, NLP in Context: Computational Models of Social Meaning, Analysis Of Algorithm, Fundamentals of Speech Recognition

AWARDS AND FELLOWSHIPS

- Graduate Research Fellowship at Columbia University (Includes full tuition waiver) awarded to 3 out of 250 students.

- NAACL 2019 Student Volunteer Award.

- Google Travel Award for ACL 2019.

- Amazon Student Bursary Award for EMNLP 2019.

PROFESSIONAL ACTIVITIES

- Program Committee at ACL 2020, EMNLP 2020 , AACL 2020, *SEM 2020

- Program Committee at 1st,2nd and 3rd Workshop on Fact Extraction and Verification

- Program Committee at 4th Abusive Language Workshop.

- Program Committee at 6th Workshop on Noisy User-Generated Text (W-NUT)

REFERENCES

- **Dr. Smaranda Muresan**
  Research Scientist, Data Science Institute
  Adjunct Associate Professor
  Columbia University, New York, NY 10027
  Email: sm761@columbia.edu

- **Dr. Kathy McKeown**
  Henry and Gertrude Rothschild Professor of Computer Science
  Columbia University, New York, NY 10027
  Email: kathy.cs@columbia.edu

- **Dr. Nanyun Peng**
  Research Assistant Professor,Department of Computer Science
  Computer Scientist, Information Sciences Institute
  University of Southern California
  Email: npeng@isi.edu

- **Dr. Kriste Krstovski**
  Associate Research Scientist, Data Science Institute
  Adjunct Assistant Professor, Columbia Business School
  Email: kriste.krstovski@columbia.edu