

TUHIN CHAKRABARTY

tuhinjubcse.github.io

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EDUCATION

Columbia University, New York

PhD in Computer Science (Major in Natural Language Processing)
Advisor : **Smaranda Muresan**

Present

GPA : 3.91

Columbia University, New York

Master of Science (Major in Natural Language Processing)
Department of Computer Science

August 2017 - 2019

GPA : 3.91

Jadavpur University, Kolkata, India

Bachelor of Engineering in Computer Science

July 2010 - June 2014

GPA : 3.85

PUBLICATIONS

ARCHIVAL CONFERENCE PAPERS

1. **R³: 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)

2. **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)

3. **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)*

4. **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

- Figurative Language Generation
- 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 - Present

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

Robust Multi-lingual 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 2029
- 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**
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Columbia University, New York, NY 10027
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- **Dr. Kathy McKeown**
Henry and Gertrude Rothschild Professor of Computer Science
Columbia University, New York, NY 10027
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- **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