

TUHIN CHAKRABARTY

tuhinjubcse.github.io

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EDUCATION

Columbia University, New York

August 2017 - 2019

Master of Science (Major in Natural Language Processing)

GPA : 3.93

Department of Computer Science

Jadavpur University, Kolkata, India

July 2010 - June 2014

Bachelor of Engineering in Computer Science

GPA : 3.91

RELEVANT COURSEWORK

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

RESEARCH EXPERIENCE

Research Assistant

August 2019 - Present

Advisor: Nanyun Peng

Information Sciences Institute, University Of Southern California

- Computational models to improve machine commonsense
- Creative text generation

Masters Thesis

Title: Improving Claim Detection and Argument Mining for Dialogue

Advisors: Kathy McKeown and Smaranda Muresan

Columbia University, New York

PUBLICATIONS

1. 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

2. 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)

3. Cure My FEVER: Building, Breaking and Fixing Models for Fact-Checking

Christopher Hidey, **Tuhin Chakrabarty**, Tariq Alhindi, Kriste Krstovski, Siddharth Varia and Smaranda Muresan

Proceedings of 2nd Workshop on Fact Extraction and Verification, EMNLP-IJCNLP 2019, Hong Kong

4. 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

5. Pay “Attention” to your Context when Classifying Abusive Language

Tuhin Chakrabarty, Kilol Gupta and Smaranda Muresan

Proceedings of 3rd Abusive Language Workshop, ACL 2019

6. 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

7. 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

PUBLICATION UNDER SUBMISSION

1. DeSePtion: Dual Sequence Prediction and Adversarial Examples for Improved Fact-Checking

Christopher Hidey, **Tuhin Chakrabarty**, Tariq Alhindi, Kriste Krstovski, Siddharth Varia and Smaranda Muresan

Transaction of the Association of Computational Linguistics (TACL)

WORK EXPERIENCE

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.

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.

REFERENCES

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

- **2. Kathy McKeown**

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

- **3. Nanyun Peng**

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

- **4. Kriste Krstovski**

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