

RITWIK BANERJEE

Department of Computer Science
Stony Brook University
Stony Brook, NY 11794-2424

(+1) (631) 632-2395 
rbanerjee@cs.stonybrook.edu 
www.cs.stonybrook.edu/~rbanerjee 

EDUCATION

Aug.2009 – Dec.2015	PhD , Computer Science, Stony Brook University, NY Dissertation: <i>Knowledge Extraction from Diverse Biomedical Corpora with Applications in Healthcare: Bridging the Translational Gap</i> Recipient of the Computer Science Chairman Fellowship
Aug.2005 – Aug.2007	MSc , Computer Science, Chennai Mathematical Institute, India Recipient of the National Graduate Scholarship (India)
Aug.2001 – July.2004	BSc , Mathematics, Chennai Mathematical Institute, India Recipient of the National Board of Higher Mathematics Scholarship (India)

ACADEMIC APPOINTMENTS

Jan.2016 – <i>present</i>	Research Assistant Professor , Computer Science, Stony Brook University, NY
Aug.2017 – May.2018	Research Assistant Professor , Emergency Medicine, Stony Brook University, NY
June.2012 – Aug.2012	Visiting Scholar , Indian Institute of Technology, Kharagpur (India)

INDUSTRY APPOINTMENTS

June.2015 – Aug.2015	Research Engineer , dMETRICS INC., NY
June.2013 – Aug.2013	- <i>Identification of pharmaceutical product perceptions among patients from Online health forums</i> - <i>Learning causal relations from Online health forums</i>
Jan.2008 – May.2009	Research Engineer , VALUEPITCH INTERACTIVE, Mumbai (India) - <i>Word sense disambiguation, topic detection, opinion mining</i>
Jan.2007 – Dec.2007	Data Analyst , GLOBAL ANALYTICS, Chennai (India) - <i>Clustering algorithms for consumer behavior prediction</i>

AWARDS & FELLOWSHIPS

2018	NSF Award	EAGER: SaTC: Tracking Semantic Change in Medical Information
2015	Best Technical Paper Award	IEEE International Conference on Healthcare Informatics (ICHI)
	NSF Travel Grant	IEEE International Conference on Healthcare Informatics (ICHI)
2009	Computer Science Chair Fellowship, Stony Brook University	
2005 – 2006	National Graduate Scholarship (India)	
2001 – 2004	National Board of Higher Mathematics Scholarship (India)	

PUBLICATIONS

1. C. Zuo, A. Karakas, and R. Banerjee. “A Hybrid Recognition System for Check-worthy Claims”, in *Working Notes of CLEF – Conference and Labs of the Evaluation Forum, CLEF – Vol. 2125*, 2018.

2. I. Whiteside, I. V. Ramakrishnan, R. Banerjee, V. Balasubramanian, B. R. Kanaparthi, and M. A. Barish. “Development and Evaluation of Natural Language Processing Software to Produce a Summary of Inpatient Radiographic Findings Identified for Follow-Up” (abstract), in *Annual Meeting of the Radiological Society of North America (RSNA)*, 2016.
3. R. Banerjee. “Knowledge Extraction from Diverse Biomedical Corpora with Applications in Healthcare: Bridging the Translational Gap” (PhD Thesis), Stony Brook University, 2015.
4. R. Banerjee, A. Razaghpanah, L. Chiang, A. Mishra, V. Sekar, Y. Choi, and P. Gill. “Internet Outages, the Eyewitness Accounts: Analysis of the Outages Mailing List”, in *Proceedings of the Passive and Active Measurement: 16th International Conference, PAM 2015 - Volume 8995*, pp. 206–219, Springer, 2015.
5. R. Banerjee, I. V. Ramakrishnan, M. Henry, and M. Perciavalle. “Patient-centered Identification, Attribution and Ranking of Adverse Drug Events”, in *2015 IEEE International Conference on Healthcare Informatics (ICHI)*, pp. 18-27. IEEE, 2015. **Best Technical Paper Award**
6. R. Banerjee, S. Feng, J. S. Kang, and Y. Choi. “Keystroke Patterns as Prosody in Digital Writings: A Case Study with Deceptive Reviews and Essays”, in *Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pp.1469-1473. ACL, 2014.
7. R. Banerjee, Y. Choi, G. Piyush, A. Naik, and I. V. Ramakrishnan. “Automated Suggestion of Laboratory Tests for Identifying Likelihood of Adverse Drug Events”, in *2014 IEEE International Conference on Healthcare Informatics (ICHI)*, pp. 170-175. IEEE, 2014.
8. S. Feng, R. Banerjee, and Y. Choi. “Characterizing Stylistic Elements in Syntactic Structure”, in *Proceedings of the 2012 Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning (EMNLP-CoNLL)*, pp. 1522-1533. ACL, 2012.
9. S. Feng, R. Banerjee, and Y. Choi. “Syntactic Stylometry for Deception Detection”, in *Proceedings of the 50th Annual Meeting of the Association for Computational Linguistics: Vol. 2*, pp. 171-175. ACL, 2012.

PROFESSIONAL SERVICE

PROGRAM COMMITTEE

- 2018 – Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT)
- 2017 – Empirical Methods in Natural Language Processing (EMNLP) Workshop on Stylistic Variation
– 55th Annual Meeting of the Association for Computational Linguistics (ACL)
- 2016 – WWW-MPCHS (Multi-Perspective Consumer Health Search) Workshop
– Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT) **Listed among Best Reviewers**
- 2013 – 10th International Cross-Disciplinary Conference on Web Accessibility (W4A)
- 2012 – Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning (EMNLP-CoNLL)

TECHNICAL COMMITTEE

- 2017 International Conference on Biometric and Forensic Engineering (ICBFE 2017)

REVIEWER

- 2018 National Science Foundation (NSF), Division of Behavioral and Cognitive Sciences (BCS)

TEACHING EXPERIENCE

- Computational Finance *Fall 2018*
- Introduction to Data Structures & Algorithms *Spring and Fall of 2016 and 2017*
- Systematic Program Design, Coding and Testing *Spring and Fall of 2016 and 2017*
- Foundations of Computer Science *Spring and Fall of 2016, Summer 2018*
- Machine Learning *Spring 2016, 2017, 2018*
- Information Theory & Communication *Fall 2017*

RESEARCH ADVISING

PHD

- Chaoyuan Zuo (2017 -)

MS

Clustered by research topic:

- Biomedical Relation Extraction *Milto NDrenika, Brian Yang, Wendy Zheng*
- Natural Language Processing for Radiology *V. Balasubramanian, Basava Kanaparthi, Shantanu Patil, Renuka Soni*
- Clinical Natural Language Processing *Atanu Ghosh, Jugu S. Sundar*
- Mental Health and Language use in Social Media *Sharang Bhat*

UNDERGRADUATE

- Darren Geng (BS Hons., Computer Science)
- Siddharth Mangalik (BS Hons., Computer Science)
- Jinwoong Jong (BS, Information Science & Engr.)
- Ayla Karakas (BS, Linguistics)
- Eric Baisch (BS, Computer Science)