

Personal Profile

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Current Research Projects

- Analysis of Rhetorical and Argumentation Structure in Biomedical Texts
(collaboration with Biochemistry, University of Waterloo)
- Using neural learning to accomplish a variety of natural language tasks and applications
 - POS tagging (SOTA)
 - word sense disambiguation (SOTA)
 - protein-protein interaction (SOTA)
 - tension detection in oral history interviews
(collaboration with Syracuse University, Concordia University)

Recent PhD and MSc Student Thesis Titles

- *Investigating citation linkage between research articles*
- *On the promotion of social web intelligence*
- *A real-time n-gram approach to choosing synonyms based on context*
- *Discovering higher order relations from biomedical text*
- *Identification of informativeness in text using natural language stylometry*
- *Citation function and polarity classification in biomedical papers*
- *Investigating genotype-phenotype relationship extraction from biomedical text*

Current PhD and MSc Student Thesis Topics

- Describing rhetorical structure in Method section of biomedical texts
- Finding comparisons in biomedical texts
- Automatically determining MeSH terms for biomedical papers
- Word embedding techniques
- Neural learning techniques for natural language processing
- Using emotion detection for detecting tension in oral history interviews

Graduate Course

None