Md Mustafizur Rahman

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OBJECTIVE

Seeking an internship for Summer 2017

EDUCATION

UNIV. OF TEXAS AT AUSTIN
PhD in Information Science
Fall, 2016 - Present | Austin, TX
Conc. in Information Retrieval using Deep Learning

UNIVERSITY OF VIRGINIA
Masters in Computer Science
May, 2016 | CGPA: 3.72 / 4.0
Conc. in Text Mining.

BANGLADESH UNIV. OF ENGG. & TECH.
M.Sc. in Computer Science & Engineering
Aug 2013 | CGPA: 3.83 / 4.0
B.Sc. in Computer Science & Engineering
Feb 2011 | CGPA: 3.95 / 4.0

SKILLS

Programming language: C, C++, Java, Python, SQL, LaTeX, TeX
Scientific Computing: Matlab, WEKA
Deep Learning: Keras, TensorFlow
Open Source Packages: Apache Lucene, Apache OpenNLP
Web Programming: HTML, CSS, PHP, Jade, JavaScript, Node.js
Data Mining/Machine Learning: Naive Bayes, Logistic Regression, Linear Regression, Neural Networks, SVM, K-Nearest Neighbour, K-means, Expectation Maximization (EM), Hidden Markov Model, Natural Language Processing (NLP)
Text mining: Language Model, Probabilistic Latent Semantic Analysis (pLSA), Latent Dirichlet Allocation (LDA)
Version Control: Git
Project Build Tools: Apache Maven
Operating Systems: Microsoft Windows, Linux

SELECTED PROJECTS

ATTENTION-BASED LEARNING TO RANK | December 2016 - Present
-Developing an attention-based model to find out the important part of a document by using the rationale

ANSWER SELECTION IN NON-FACTOID QUESTION ANSWERING USING DEEP LEARNING | October 2016 - December 2016
-Applied Convolutional Neural Network (CNN) on Non-factoid Question Answering
-Leveraged word embedding for semantic representation
-Performed answer selection using similarity measure between the semantic vector of questions and answers
-Developed using Python, Keras and TensorFlow

LEVERAGING ACTIVE LEARNING FOR LABELING TREC AD-HOC DATA-SET | December 2016 - Present
-NIST evaluates relevance judgement only for a set of documents in a collection because human evaluation is costly. The purpose of this project is to develop an active learning approach which will find out the fine-grained balance between cost and gold-dataset collection

TOPIC MODELING FOR UNSTRUCTURED USERS' REVIEWS | January 2015 - October 2015
- Developed a Markov model based topic model which captures transition of users' sentiment on sentence by sentence

SELECTED PUBLICATIONS

CONFERENCE PROCEEDING | January 2015 - October 2015
Md. Mustafizur Rahman and Hongning Wang, "Hidden Topic Sentiment Model," *25th International World Wide Web Conference (WWW 2016)*, Montreal, Canada, 2016. http://dl.acm.org/citation.cfm?id=2883072

JOURNAL | April 2012 - May 2013
Md. Mustafizur Rahman, Md. Monirul Islam, Kaziyuki Murase and Xin Yao, "Layered Ensemble Architecture for Time Series Forecasting ," *IEEE transaction on Systems, Man and Cybernetics*, February 24, 2015.[Online]. http://dx.doi.org/10.1109/TCYB.2015.2401038

EXPERIENCE

HCOMP 2016 CONFERENCE | Reviewer

UNIVERSITY OF TEXAS | Graduate Research Assistant
August 2016 – Present | Austin, TX

UNIVERSITY OF VIRGINIA | Graduate Research Assistant
August 2014 – May 2016 | Charlottesville, VA

STOCHASTIC LOGIC LTD. | Quantitative Software Developer
November 2010 – July 2014 | Dhaka, Bangladesh

AWARDS

2016-2017	Full Tuition Waiver and Research Assistantship, University of Texas at Austin
2014-2016	Full Tuition Waiver and Graduate Assistantship, University of Virginia
2012	Workshop Scholarship, National University of Singapore (NUS), Singapore
2006-2011	Student Scholarship, Institute of International Education, New York, USA
2011	Award of Excellence, Nazrul Islam Hall, BUET, Bangladesh