Jun Seok Kang

Email: junkang@cs.stonybrook.edu
Phone: +1-631-682-2692
Web: http://www.cs.stonybrook.edu/~junkang

EDUCATION

Stony Brook University *NY, USA*

Ph.D. Candidate in Computer Science (GPA 3.64/4.0) *Sep. 2011 - Present*
Advisor: Yejin Choi (Univ. of Washington) & Niranjan Balasubramanian (SBU)
Connotation lexicon, sentiment analysis, online review analysis, and controlled language generation

Yonsei University *Seoul, Korea*

Master's degree in Computer Science (GPA 4.23/4.5) *Mar. 2008 - Feb. 2010*
Advisor: Seung Jae Han
Thesis: *Profile-based Network Selection Framework for Heterogeneous Wireless Network Environments*
Bachelor of Computer Science and Industrial System Engineering (GPA 3.40/4.5) *Mar. 1999 - Feb. 2007*

WORK-IN-PROGRESS

Language Generation for Product Description
Goal of the research is to generate a product description based on the given data, title and a list of features. The model is based on seq2seq model with attention. One of its contributions is that input is unstructured data instead of slotted data. Another contribution is dividing the decoder into several task-oriented layers/components: layers for the syntactic structures and word generations, components to suggest interesting/complex syntactic sequence and content words based on input. Also, a FSM-based constraint beam decoder is introduced that enforces the constraints while generating final text.

PUBLICATIONS

PoMo: Generating Entity-Specific Post-Modifiers in Context.
Jun Seok Kang, Robert Logan, Zewei Chu, Yang Chen, Dheeru Dua, Kevin Gimpel, Sameer Singh, Niranjan Balasubramanian, NAACL 2019

ConnotationWordNet: Learning Connotation over the Word+Sense Network.
Jun Seok Kang, Song Feng, Leman Akoglu, Yejin Choi, ACL 2014

Keystroke Patterns as Prosody in Digital Writings: A Case Study with Deceptive Reviews and Essays.
Ritwik Banerjee, Song Feng, **Jun Seok Kang**, Yejin Choi, EMNLP 2014

Where Not to Eat? Improving Public Policy by Predicting Hygiene Inspections Using Online Reviews.
Jun Seok Kang, Polina Kuznetsova, Michael Luca, Yejin Choi, EMNLP 2013

Connotation Lexicon: A Dash of Sentiment Beneath the Surface Meaning.
Song Feng, **Jun Seok Kang**, Polina Kuznetsova, Yejin Choi. ACL 2013.

Network selection for heterogeneous multi-service wireless networks.
Jun Seok Kang, Seung-jae Han, LCN 2010

EMPLOYMENT

CA Technologies *NY, USA* *Jan. 2013 – Aug. 2017*
Intern (Senior Research Aide)
Prototyped /developed enterprise-level **log analysis framework**, **big data monitoring system** such as MongoDB, Cassandra, Greenplum and their managers

WINS Technet *Seoul, Korea* *Sep. 2001 – Sep. 2004*
Developed ***Network Intrusion Detection*** & ***Intrusion Prevention System***
Analyzed newly reported vulnerabilities , carried several successful Benchmark tests as pre-sales
Led technical co-work with Intel, Sun Microsystems, and IBM

TEACHING EXPERIENCE

Internet Programming (2012 Summer/Fall), Discrete Mathematics (2011 Fall), NLP(2018 Spring)
Object-oriented Programming (2008/2009/2010/2012 Spring), Mobile Networking (2009 Fall)