Jun Seok Kang

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EDUCATION

Stony Brook University *NY, USA*

Ph.D. in Computer Science (GPA 3.64/4.0)   *Sep. 2011 - Present*
   Advisor: Niranjan Balasubramanian (SBU) & Yejin Choi (Univ. of Washington)
   Dissertation: *A Study on Data-to-Text Language Generation*
   Controlled language generation, connotation lexicon, sentiment analysis, online review analysis

Yonsei University *Seoul, Korea*

Master's degree in Computer Science (GPA 4.23/4.5)   *Mar. 2008 - Feb. 2010*
   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*

PUBLICATIONS

PoMo: Generating Entity-Specific Post-Modifiers in Context.
Jun Seok Kang, R. Logan, Z. Chu, Y. Chen, Dheeru Dua, K. Gimpel, S. Singh, N. 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.

EMPLOYMENT

Blink Health *NY, USA* – Senior Software Engineer   *Sep. 2020 – current*
   Research on prediction of refill orders on the likelihood of the refill cancellations. Integration services with 3rd party partners and Internal micro service improvements.

Stony Brook University *NY, USA* - Research Assistant   *Sep. 2017 – current*
   Carried NLP projects such as, i) neural language generation with function-based layered decoder, ii) Entity-specific, context-sensitive post-modifier generation, iii) Writing assistive systems using paraphrasing, iv) deceptive writing detection, v) predicting restaurant hygiene status based on health inspection history and etc.
   (Python, MongoDB, ElasticSearch, Lucene, sqlite, Tensorflow, AWS, GCP)

CA Technologies *NY, USA* Senior - Research Aide   *Jan. 2013 – Aug. 2017*
   Prototyped /developed enterprise-level **log analysis framework**, **big data monitoring system** in Java
   Prototyped and consulted in-house startups on ML/NLP related topics
   (Java, MongoDB, ElasticSearch, sqlite, Mule ESB, Lucene, AWS)

WINS Technet *Seoul, Korea* - Software Engineer   *Sep. 2001 – Sep. 2004*
   Developed **Network Intrusion Detection & Prevention System** on Linux and Solaris (in C/C++)
   Analyzed newly reported vulnerabilities, carried several successful Benchmark tests as pre-sales
   Led technical collaborations 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)