HEEYOUNG KWON

PERSONAL INFORMATION

email	heeyoungkwon@fb.com
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WORK EXPERIENCE

Dec. 2020 - present   Meta

Research Scientist, Instagram Feed Ranking Team
Manager: Zhuoran Yu
- Developed and improved ranking models and recommender systems
- Optimized system efficiency via improving serving logics

Summer 2019   Facebook

PhD Software Eng Intern, Instagram Search Ranking Team
Manager: Naveen Santhapuri
Project: Instagram Speller

Winter 2018   Allen Institute for Aritificial Intelligence

Research Intern, Aristo Team (Question Answering)
Mentor: Ashish Sabharwal
Project: LSTM based QA model

EDUCATION

2015-2020   Stony Brook University

GPA: 3.92/4.0 · Department: Computer Science
Thesis: Modeling Preconditions for Understanding Events in Text Advisor:
Niranjan BALASUBRAMANIAN
Language Understanding & Reasoning Lab

2013-2015   Stony Brook University

GPA: 3.88/4.0 · Department: Computer Science
Thesis: Redirects Gone Wrong: A Graph-based Approach for Spotting Spam
URLs
Advisor: Leman AKOGLU
Data Lab

2006-2013   Yonsei University

GPA: 3.83/4.3 · Department: Electrical and Electronic Engineering
Thesis: Control a Quadrotor via Computer Vision Analysis
Minor in Computer Science

Spring 2011   Illinois Institute of Technology

GPA: 3.75/4.0
Coursework: Systems Programming; Microcomputers; Brain, Mind, and
Behavior; Writing in the University for Non-Native Students
Dean's list

PUBLICATIONS

TOWARD DIVERSE PRECONDITION
Heeyoung Kwon, Nathanael Chambers and Niranjan Balasubramanian
*SEM 2021.

MODELING PRECONDITIONS IN TEXT WITH A CROWD-SOURCED DATASET
Heeyoung Kwon, Mahnaz Koupaee, Pratyush Singh, Gargi Sawhney, Anmol Shukla, Keerthi Kumar Kallur, Nathanael Chambers and Niranjan Balasubramanian
Findings of EMNLP 2020.

GENERATING NARRATIVE TEXT IN A SWITCHING DYNAMICAL SYSTEM
Noah Weber, Leena Shekhar, Heeyoung Kwon, Niranjan Balasubramanian and Nathanael Chambers
CoNLL 2020.

MODELING LABEL SEMANTICS FOR PREDICTING EMOTIONAL REACTIONS
Radhika Gaonkar, Heeyoung Kwon, Mohaddeseh Bastan, Niranjan Balasubramanian and Nathanael Chambers
ACL 2020.

REPURPOSING ENTAILMENT FOR MULTI-HOP QUESTION ANSWERING TASKS
Harsh Trivedi, Heeyoung Kwon, Tushar Khot, Ashish Sabharwal, Niranjan Balasubramanianu
NAACL 2019.

CONTROLLING INFORMATION AGGREGATION FOR COMPLEX QUESTION ANSWERING
Heeyoung Kwon, Harsh Trivedi, Peter Jansen, Niranjan Balasubramanian, Mihai Surdeanu
ECIR 2018.

A DOMAIN-AGNOSTIC APPROACH TO SPAM-URL DETECTION VIA REDIRECTS
Heeyoung Kwon, Mirza Basim Baig, Leman Akoglu
PAKDD 2017.

CROSS SENTENCE INFERENCE FOR PROCESS KNOWLEDGE
Samuel Louvan, Chetan Naik, Sadhana Kumaravel, Heeyoung Kwon, Niranjan Balasubramanian, and Peter Clark
EMNLP 2016.

RECOGNIZING CULTURAL EVENTS IN IMAGES: A STUDY OF IMAGE CATEGORIZATION MODELS
Heeyoung Kwon, Kiwon Yun, Minh Hoai, and Dimitris Samaras
Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops. 2015.

TEACHING EXPERIENCE

TEACHING ASSISTANT, CSE628 : NATURAL LANGUAGE PROCESSING
- Guest Lecture: Introduction to Recurrent Neural Network
- Guest Lecture: Question Answering

Guest Lecture: Support Vector Machine, CSE527 : ARTIFICIAL INTELLIGENCE

TEACHING ASSISTANT, CSE512 : MACHINE LEARNING

TEACHING ASSISTANT, CSE305 : PRINCIPLES OF DATABASE SYSTEM

January 25, 2023