

Seokhwan Kim

CONTACT RESEARCH INFORMATION INTERESTS EDUCATION

Pohang University of Science and Technology (POSTECH), Pohang, Korea

Ph.D., Computer Science and Engineering

February 2012

Dissertation Topic: “Cross-Lingual Weakly-Supervised Learning of Semantic Relations”

Advisor: Gary Geunbae Lee

Committee: Jong-hyeok Lee, Seung-jin Choi, Seung-won Hwang, Sung-Hyon Myaeng

B.S., Computer Science and Engineering

August 2005

RESEARCH EXPERIENCE

Institute for Infocomm Research (I2R), Singapore

Scientist

January, 2012 - present

SARA project, Developed a conversational agent for touristic and conference information and released it in the official mobile app for Interspeech 2014.

COLDAR project, Developed components for multi-lingual natural language understanding and dialog management.

TIRS project, Developed components for natural language understanding and database query generation.

Max Planck Institute for Informatics (MPI-INF), Saarbrücken, Germany

Research Intern

April, 2011 - August, 2011

Advisor: Prof. Gerhard Weikum

DIDO project, Developed a higher-order noun phrase chunker for recognizing bio-medical entities with environmental contexts.

Pohang University of Science and Technology (POSTECH), Pohang, Korea

Research Assistant

September, 2005 - December, 2011

Advisor: Prof. Gary Geunbae Lee

Development of Dialog-based Question Answering System for TV contents, LG Electronics. Developed components for robust natural language understanding.

Development of Content Recommendation System for Digital TV, Samsung Electronics. Developed an automatic content feeding component for contentbased recommendation algorithm.

Semi-supervised Information Extraction for Automatic Content Feeding in Information Access Dialog Systems, Microsoft Research Asia. Developed an algorithm of semi-supervised information extraction.

Implementation of Dialog System Components to Upgrade Chatbot, SK Telecom Co., Ltd. Developed components for natural language understanding and database management.

Development of Natural Language Dialog System for Database Search and Entertainment, KT Corporation. Developed named-entity recognizer for natural language understanding.

TEACHING EXPERIENCE

Pohang University of Science and Technology (POSTECH), Pohang, Korea

Teaching Assistant

Spring 2010

CS101, Introduction to Computing

Teaching Assistant
CS421, Database System

Spring 2006

PROFESSIONAL
EXPERIENCE
TALKS

Tutorials

PUBLICATIONS

International Journals

International Conferences

Patents

SKILLS

Programming Languages: Python, C++, Java
Machine Learning Toolkits: scikit-learn, Theano, SVM-Light, CRFsuite
NLP and IR Toolkits: NLTK, Stanford CoreNLP, Lucene
Databases: MySQL, SQLite, MongoDB

REFERENCES

Available upon request