

# Seokhwan Kim

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## 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

**Adobe Research, USA**

*Research Scientist*

*July, 2017 -*

**Institute for Infocomm Research (I2R)**, Singapore

*Scientist*

*January, 2012 - July, 2017*

**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*

*Spring 2006*

**CS421, Database System**

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