Changbeom Shim, Ph.D.

Research Associate ◇ Dept. of Electrical and Computer Engineering ◇ Curtin University

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Education

Korea University	Mar. 2014 - Aug. 2019
Ph.D. in Computer Science and Engineering	*South Korea*

Korea University	Mar. 2007 - Feb. 2014
B.E. in Electronics and Information Engineering	*South Korea*

· On leave: Sept. 2008 - Feb. 2011, Military Service

Professional Experiences

Dept. of Electrical and Computer Engineering at Curtin University	Nov. 2019 - Present
Research Associate	*Australia*

Database Lab. at Korea University	Mar. 2014 - Aug. 2019
Research Assistant	*South Korea*

· Project 3: A research on safe and convenient big data processing methods
· Project 2: A research on privacy issues and privacy protection methods for social network services
· Project 1: An intelligent system for crime detection/prevention and public security based on CCTV bigdata

School of Engineering at RMIT University	Jan. 2019 - Feb. 2019
Visiting Student of Dr. Du Yong Kim	*Australia*

· Project: A research on random finite set approach to database applications

Korea Institute of Science and Technology Information (KISTI)	Jul. 2013 - Feb. 2014
Student Researcher	*South Korea*

· Project: Research on analysis and application platform technologies for science and technology big data

Honors and Awards

Feb. 2019	KU Graduate Student Achievement Award, Korea University
Jul. 2018	Student Paper Contest Award, Korea Computer Congress (KCC)
Feb. 2018	Best Ph.D. Candidate Paper Award, Korea University
Oct. 2017	Honorable Mention, IEEE Visual Analytics Science and Technology (VAST Challenge)
May 2015	Best Paper Award, Korean DataBase Conference (KDBC)

Research Interests

Databases and Machine Learning

- Query Processing, Spatio-Temporal Algorithms, Geo-Social Networks
- Bayesian Learning, Multi-Object Tracking

Publications

Journals

J4   Wooil Kim, **Changbeom Shim**, Wan Heo, Sungmin Yi, and Yon Dohn Chung,
"Moving View Field Nearest Neighbor Queries,"
Data & Knowledge Engineering, 2019.

J3   **Changbeom Shim**, Wooil Kim, Wan Heo, Sungmin Yi, and Yon Dohn Chung,
"Nearest Close Friend Search in Geo-Social Networks,"
Information Sciences, 2018.

J2   **Changbeom Shim**, Wooil Kim, Wan Heo, Sungmin Yi, and Yon Dohn Chung,
"ℓ-Close Range Friends Query on Social Grid Index,"
IEICE Transaction on Information and Systems, 2017.

J1   Sungmin Yi, **Changbeom Shim**, and Yon Dohn Chung,
"Reverse View Field Nearest Neighbor Queries,"
Information Sciences, 2017.

Conferences

C1   Wooil Kim, **Changbeom Shim**, Ilhyun Suh, and Yon Dohn Chung,
"A Visual Explorer for Analyzing Trajectory Patterns,"
IEEE Visual Analytics Science and Technology (VAST Challenge), 2017.

Teaching Experiences at Korea University

Lecturer (Part-time)

Fall 2018   COSE214: Algorithm

Teaching Assistant

Fall 2017	COSE156: Python Programming
Spring 2016	COSE213: Data Structure
Fall 2015	COSE242: Data Communication
Fall 2014	COSE102: Computer Programming

Technical Experiences

Computer Languages   Java, Matlab, Python

References

References available upon request