

Minsuk Chang

minsuk@kaist.ac.kr | minsukchang.github.io | KIXLAB.org

Education

Korea Advanced Institute of Science and Technology (KAIST) , Daejeon, South Korea PhD in Computer Science, Advisor: Juho Kim	2014 -
Rutgers, The State University of New Jersey , New Brunswick, NJ, USA MSc in Statistics	2012 - 2014
KAIST Business School, Graduate School of Finance , Seoul, South Korea MSc in Finance with specialization in Financial Engineering, Advisor: Jangkoo Kang Thesis Title: An Empirical Study on the Existence of Momentum Profits in Asian Stock Markets - 2011 Best Thesis Award	2009 - 2011
Simon Graduate School of Business, University of Rochester , Rochester, NY, USA MSc in Finance - Dual Degree Program with KAIST Business School	2010
Korea Advanced Institute of Science and Technology (KAIST) , Daejeon, South Korea BSc in Computer Science	2003 - 2008

Research Interests

Mining and supporting instructions, explanations, reasoning, consequences and causal relationships with techniques in interactive systems (HCI) and statistical inferences (ML) on large scale interaction data.

Publication

Minsuk Chang, Leonore V. Guillain, Hyeungshik Jung, Vivian M. Hare, Juho Kim, and Maneesh Agrawala. "RecipeScape: An Interactive Tool for Analyzing Cooking Instructions at Scale" *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*, 2018, (in-print)

Minsuk, Chang Vivian M. Hare, Juho Kim, and Maneesh Agrawala. "RecipeScape: Mining and Analyzing Diverse Processes in Cooking Recipes." In *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems*, 2017

Employment

Coastal Management LLC, New York, NY, USA Primary Role: Quant Research - Researching, modeling and developing alpha generation strategies for arbitrage trade (US Equity) - ultra high frequency - Researching trading signals in statistical arbitrage and index arbitrage models, high-mid frequency models. - Backtesting, PnL analysis, and strategy deployment.	2012 - 2013
KAIST Artificial Intelligence and Pattern Recognition Lab , Daejeon, South Korea Undergraduate Research Intern - Advisor: Professor Jin-Hyung Kim Topics in Pattern Recognition in Motion Pictures (Live Video Stream) Designed and implemented a real-time program that reads the video input of a canoe race and outputs race result. Project sponsored by the Korea Canoe Federation. Languages Used: C/C++, OpenGL	2008
KAIST Adaptive Computing Lab , Daejeon, South Korea Undergraduate Research Intern - Advisor: Professor Kee-Eung Kim Topics in Multiple View Geometry in Computer Vision, Pattern Recognition Studies in Photosynth Technology – Designed and implemented algorithms that recognizes features points in images and detects specific objects in multiple images. Languages Used: Matlab, C/C++, OpenGL	2007

Teaching

Korea Advanced Institute of Science and Technology (KAIST) , Daejeon, South Korea Head Teaching Assistant - CS101 Introduction to Programming	2015 -
Rutgers, The State University of New Jersey , New Brunswick, NJ, USA Teaching Assistant, Financial Statistics and Risk Management Program - FSRM588 Financial Data Mining - FSRM587 Advanced Simulations Methods for Finance	2012 - 2012