Minsuk Chang

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Education

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea   2014 -
PhD in Computer Science, Advisor: Juho Kim

Rutgers, The State University of New Jersey, New Brunswick, NJ, USA   2012 - 2014
MSc in Statistics

KAIST Business School, Graduate School of Finance, Seoul, South Korea   2009 - 2011
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

Simon Graduate School of Business, University of Rochester, Rochester, NY, USA   2010
MSc in Finance - Dual Degree Program with KAIST Business School

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea   2003 - 2008
BSc in Computer Science

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   2012 - 2013
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.

KAIST Artificial Intelligence and Pattern Recognition Lab, Daejeon, South Korea   2008
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

KAIST Adaptive Computing Lab, Daejeon, South Korea   2007
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

Teaching

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea   2015 -
Head Teaching Assistant
- CS101 Introduction to Programming

Rutgers, The State University of New Jersey, New Brunswick, NJ, USA   2012 - 2012
Teaching Assistant, Financial Statistics and Risk Management Program
- FSRM588 Financial Data Mining
- FSRM587 Advanced Simulations Methods for Finance