

# Munjeong KANG

## M.S. Student. Hankuk University of Foreign Studies, Republic of Korea

[MunjeongKang.github.io](https://github.com/MunjeongKang)

+82 10 4620 3379 @ mj0225868@gmail.com

Main Research Interest : Optimization, Logistics, Manufacturing, Supply Chain Management



## EDUCATION

- 3/2019 - Present | **M.S. Student, Hankuk University of Foreign Studies**
  - > Dept. of Industrial and Management Engineering (Data Analytics)
  - > Optimization Lab
- 3/2015 - 2/2019 | **B.S., Hankuk University of Foreign Studies**
  - > Dept. of Industrial and Management Engineering
  - > Dept. of International Finance
- 3/2012 - 2/2015 | **Dongsan Christian High School**
  - > Natural Sciences

## CONFERENCE PRESENTATION

- 2019.11.08 **Kang, M.**, Kyung, J., Lee, C., An Algorithm for TSP with Time Dependent Profits(TSPwTDP), Korean Institute of Industrial Engineers.
- 2019.06.24 **Kang, M.**, Lee, Y., Cho, J., Lee, C., Outbound supply chain optimization by a combined approach of reinforcement learning and mathematical programming, Euro 2019, Dublin, Ireland.
- 2019.04.11 **Kang, M.**, Lee, Y., Cho, J., Lee, C., A combined approach of reinforcement learning and mathematical programming for a real-world outbound supply chain optimization, Korean Institute of Industrial Engineers.
- 2018.04.06 Lee, Y., **Kang, M.**, Kim, N., Lee, C., A column generation based heuristic algorithm for Drone Location and Routing with Altitude, Korean Institute of Industrial Engineers.
- 2017.10.27 **Kang, M.**, Kim, N., Lee, Y., Yoon, J., Comparative analysis of Customer Requirements for Online and Offline Mobile Easy Payment Service, Korea Quality Congress.

## AWARDS

- Optimization of Manufacturing Process** 2020  
Second Prize of LG AI Hackathon Competition.  
[Second Prize](#) [Competition](#) [Dacon](#) [LG](#)
- Supply Chain Management optimization using Reinforcement Learning** [YouTube](#) [Presentation](#) 2019  
Third Prize of INFORMS 2019 Analytics & O.R Student Team Competition. 2019 SUMMER GLOBAL HUFs INTERVIEW.  
[Third Prize](#) [Competition](#) [GM](#) [INFORMS](#)
- Drone Surveillance Algorithm** 2018  
Award from Ministry of Science and ICT. 2018 SPRING GLOBAL HUFs INTERVIEW.  
[Grand Prize](#) [Project](#) [KIIE](#) [MSIT](#)
- Development and Idea of O2O(Online-To-Offline)** 2017  
Award from Ministry of Gender Equality and Family. Corporate tour of IMF & WORLD BANK.  
[Grand Prize](#) [Idea-Tone](#) [KOWIN](#) [MOGEF](#)

## PUBLISHED RESEARCH PAPER

- An Algorithm for TSP with Time Dependent Profit** [TSPwTDP.pdf](#) 2020  
**Kang, M.**, Kyung, J., Lee, C., (2020). An Algorithm for TSP with Time Dependent Profits (TSPwTDP). *Journal of the Korean Institute of Industrial Engineers*,46(3), 338-348.
- Drone Surveillance System Considering Dynamic POIs** [DLRwA.pdf](#) 2019  
Lee, Y., **Kang, M.**, Kim, N., Lee, C., (2019). Drone surveillance system considering dynamic POIs. *Journal of the Korean Institute of Industrial Engineers*,45(5), 416-429.