Jay J. Lee

Staff Associate
Department of Biomedical Informatics, Columbia University Irving Medical Center
New York, NY, 10032

EDUCATION	*Master of Arts,* Statistics	Sep, 2018 - Feb, 2020
	Concentration: Statistical Machine Learning	
	Columbia University, New York, NY	
	Bachelor of Science, Industrial Engineering	Feb, 2012 - Feb, 2016
	Bachelor of Economics, International Trade and Policy (double major)	
	Sungkyunkwan University, Seoul, Korea	

EXPERIENCE	*Staff Associate*	Feb 2020 - Present
	Columbia University, Department of Biomedical Informatics, New York	
	Research Associate	Feb 2019 - Dec 2019
	Columbia University, Department of Biomedical Informatics, New York	
	Researcher	Oct 2018 - Jan 2019
	Seoul National University, College of Medicine, Seoul, Korea	
	Army Officer	Feb 2016 - June 2018
	Republic of Korea Army, The 2nd Operational Command, Deagu, Korea	
	Research Assistant	Jan 2015 - Dec 2015
	Sungkyunkwan University, Department of Systems Mgmt Engineering, Suwon, Korea	

RESEARCH INTERESTS   **Deep Learning**, **Machine Learning**, **Applied Statistics**, **Healthcare and Medicine**

PUBLICATIONS   **Journal Articles & Conference Proceedings**

1. **J. Lee***, C. Liu*, J. Kim, A. Butler, N. Shang, C. Ta, C. Weng, Medical Concept Embedding for Feature Engineering in Phenotyping. *Preprint.*

2. J.R. Rogers, **J. Lee**, Z. Zhou, YK Cheung, G. Hripcsak, C. Weng, Contemporary Use of Real-World Data for Clinical Trial Conduct: A Scoping Review. *Under review.*

3. A. Butler, **J. Lee**, Y. So, L. Busacca, K. Marder, H.N. Ginsberg, D. Frederick, I. Castaneda, C. Weng, Impact of IMPACT: Longitudinal Analysis of an Integrated Patient Scheduling System in a Clinical Research Setting. *Under review.*

4. C. Liu, C. Ta, J. Rogers, Z. Li, **J. Lee**, A. Butler, N. Shang, F. Kury, L. Wang, F. Shen, L. Ena, C. Friedman, H. Liu, C. Weng, Ensembles of Natural Language Processing Systems for Portable Phenotyping Solutions. Journal of Biomedical Informatics 100, 103318, 2019.

Workshop Papers & Posters

1. **J. Lee**, C. Liu, N. Shang, X. Jiang, K. Chen, K. Kalluri, C. Pang, K. Natarajan, P. Ryan, C. Weng, Generate the Concept Representation using OMOP Ontology Graph. 2019 OHDSI Symposium, 2019.

COMMUNITY SERVICE

Collaborator of Observational Health Data Sciences and Informatics (OHDSI)

HONOURS & AWARDS

Commendation for Army Commitment, The 2nd Operational Command, 2018
Meritorious Unit Commendation, The 2nd Operational Command, 2017
Merit-based Scholarship, Sungkyunkwan University, 2015
Academic Scholarship, Sungkyunkwan University, 2013
Gifted Student at Incheon National University, 2004-2005
Young Gifted Student at Incheon City Office of Education, 2002-2004