

Ada H. Lee

▪ 855 Hinman Ave. 106, Evanston, IL, 60202 ▪ ada.lee@u.northwestern.edu ▪ 224.422.7628

EDUCATION

Northwestern University, Evanston, Illinois, GPA: 3.9/4.0

Anticipated June 2019

Doctor of Philosophy Candidate, Chemical Engineering

- Dissertation: Diffusion of innovation in network of caregivers at hospitals using predictive modeling
- Relevant courses: Machine Learning, Data Management and Information Processing, Statistics, Data Mining
- Kellogg Management for Scientist and Engineers (2018)

Seoul National University, Seoul, S. Korea, GPA: 90.7 Percentile

February 2013

Bachelor of Science in Chemical Engineering

RELEVANT PROFESSIONAL AND RESEARCH EXPERIENCE

Amaral Lab, Northwestern University

September 2013 – Present

Doctor of Philosophy Candidate, Chemical Engineering

- Understand adoption of innovations in a community where relationships are complex and represented as multipartite networks using spreading models (SIR, contagion, and persuasion models)
- Designed smartphone applications with software engineers to improve checklists used in the hospital
- Visualize of complex data to interdisciplinary team of clinicians (physicians, nurses, therapists, etc.,)

Korea Institute of Science & Technology Evaluation and Planning

March 2013 – May 2013

Government Contractor

- Evaluated global policy trend on climate change after Copenhagen Accord as preliminary research for Korean climate change policy

Samsung SDI

June 2012 – July 2013

Research and Development Intern

- Proved the impact of the thickness and composition of anodes on the performance of Lithium-ion batteries used in small electronic devices like smart phones

SELECTED PRESENTATIONS AND CONFERENCES

- **H.A. Lee**, L.A.N. Amaral “Spreading dynamics in multipartite networks and its projections”, 9th International Conference on Complex Systems, Cambridge, MA, 2018
- **Invited talk**, “Big Bold Steps to Big Data”, Korean Women’s International Network Chicagoland Luncheon, 2018

LEADERSHIP AND COMMUNITY OUTREACH

Mentorship Opportunities for Research Engagement, Northwestern University

September 2017 – Present

Coordinator

- Coordinate mentorship between team of 30 graduate student mentors and 30 high school mentees.
- Manage events as liaison between school administrators, educator, and students
- Achieved 3 winners in Intel International Science and Engineering Fair 2018 from mentoring group

McCormick Graduate Leadership Council, Northwestern University

September 2015 – June 2017

Core Member

- Published new website for MGLC with Northwestern IT service
- Managed the contents and social media page to advertise MGLC events and student seminars

Center for Public leadership, Seoul National University

June 2011 – December 2012

Research Assistant

- Evaluated a new type of leadership assessment test, Korea Public Leadership Index that was taken by Korean Congress
- Supported training and designing of student musical, ‘President is Gone’ performed in 2012

PROFESSIONAL AFFILIATIONS AND AWARDS

- Korean Scientists and Engineers Association 2017 – Present
- Northwestern Computational Research Day Lightning Talk 1st place 2018
- Seoul National University Alumni Association Chicagoland Scholarship 2017

PROFICIENCY AND SKILLS

- Python (4+ years): numpy, scipy, pandas, networkx, matplotlib, statistical analysis
- Other programming skills: MySQL, MongoDB, R, C/C++, CSS3, HTML5, LaTeX, Unix/Linux
- Language: English, Korean