

LILIAN (JIACHEN) GONG

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EDUCATION

Carnegie Mellon University – School of Computer Science **Pittsburgh, Graduate**
Master of Science, Education Technology and Applied Learning Science 08/2019-08/2020

Peking University – Department of Sociology **Beijing, Undergraduate**
Bachelor of Law | Major GPA: 3.73/4.0; Cumulative GPA: 3.67/4.0 09/2014-07/2018

RESEARCH EXPERIENCE

Student Social Network Project **Peking University, China**
Leading Research Assistant 09/2018-07/2019

- Led, cleaned and managed over 2,800,000 student card sequential raw records from Peking University with Pandas, covering 12,948 undergraduate students from 27 departments;
- Explored 29,627 pairs of possible friendships with the raw accuracy of 84.79%;
- Established the first PKU Student Social Network Model and the first Department Social Network Model.

Body Dimension Data Analysis Project **UCL, London**
Explore the Relationship between Height and 21 Body Dimensions 07/2018-08/2018

- Developed and compared Machine Learning models such as Random Forest models to explore relationship between human height and other 21 body measurements;
- Optimized model performances based on MSE using bootstrapping technique

Independent Study **Peking University, China**
The Effect of Parenting Behavior on Child Education Outcome 09/2017-05/2018

- Analyzed relationships among Parenting Behavior, Child Education Outcome and Family Socioeconomic Status using Multivariate Linear & Logit Regression models;
- Confirmed that Parenting Behavior has vital positive influences on Child Educational Outcome and is also significantly related to Family Socioeconomic Status.

WORK EXPERIENCE

Particle Media Inc. **Beijing, China**
Big Data Intern 07/2017-10/2017

- Produced 6 data analysis projects over billions of user data to better understand user interests;
- Conducted Competitive Product Research weekly and interviewed with customers to identify pain points;
- Proposed changes to the app focused on improving user experience.

National Survey Research Center **Beijing, China**
CEPS Research Intern 04/2017-06/2017

- Composed analytical reports using traditional statistical analyzing models with data from China Education Panel Study (CEPS);
- Interviewed with research subjects of CEPS to improve the follow-up survey.

Institute of Social Science Survey **Beijing, China**
CHARLS Research Intern 05/2016-08/2016

- Led a team of 3 in China Health and Retirement Longitudinal Study (CHARLS);
- Completed around 100 qualitative interviews to gather historical data from 12 villages in rural area of Hunan province;

HONORS

Peking University 'Wu-Si' Scholarship 2016-2017
Peking University Academic Excellence Award 2016-2017
Volunteer Artist in 2014 APEC Welcome Banquet 2014

SKILLS

Programming Languages: Python, SQL, R
Tools: Pandas, Gephi