

Qiaohui (Juliet) Lin

2317 Speedway, Austin, Texas 78712 <https://github.com/qiaohuilin> Email: qiaohui.lin@utexas.edu Cell: 919-433-6310

EDUCATION

University of Texas at Austin

PhD student in Statistics and Data Sciences

Austin, Texas

Expected Jun., 2021

· GPA: 4.00/4.00

· Relevant Courses: Deep Probabilistic Modeling, Statistic Modeling in Big Data, etc.

· Research Interest: Bayesian Nonparametrics, Variational Inference, Network Analysis

Duke University

M.A. in Economics, GPA: 3.80/4.00, MA. Merit Scholar

Durham, NC

May, 2018

· Relevant Courses: Bayesian Statistics, Machine Learning, Data Mining, Probability/Measure Theory.

Fudan University

B.A. in Economics, GPA: 3.81/4.00, Outstanding Graduate of Fudan, 2016

Shanghai, China

Jun., 2016

RESEARCH AND PUBLICATION

Current Projects

Austin, Texas

Subsample Network Analysis

(Supervised by Purna Sarka)

- Develop consistent variance estimator with a confidence bound for large scale sparse graph in social networks using subsampling methods, which is otherwise either intractable or computationally expensive.

Collaborative Filtering Recommender System Under Bayesian Double Feature Allocation

- In a recommender system, develop a Bayesian nonparametric model, a double feature allocation on both users and items to predict a user's rating/ranking to unseen items. (Supervised by Peter Müller)

Publications

Prediction of Appointment No-shows using Electronic Health Records

Journal of Applied Statistics, In Press 2019

- Bayesian hierarchical model predicting hospital no-shows with Bayesian Logistic Lasso and Automatic Relevance Determination.

WORK EXPERIENCE

Homeaway Inc, Expedia Group

Data Science Intern

Austin, TX

Jun., 2019 – Aug. 2019

· Search Engine Optimization: Keyword Clustering and Performance Prediction

· Cluster Search Keywords based on NLP methods and use a Gaussian Process for time series analysis of clicks and conversions in each cluster.

Duke Clinical Research Institute

Research Assistant

Durham, NC

Apr., 2017 – May, 2018

· Paper published on topic of hospital no-shows mentioned above

· Presented on Women in Machine Learning Conference 2017

ACADEMIC AWARDS

National Economic Foundation Talents *Excellent Thesis Award*

Beijing, China, Oct, 2015

· Paper on China interprovincial economic smoothing with regression models

The Mathematical Contest in Modeling, *Honorable Mention*

COMAP, USA, Feb., 2015

· Designed a model using Support Vector Machine to classify economic sustainability in multi-dimensional space

SKILLS

Computer: Proficient in R, Python and Git;

Language: English, Chinese