

Education

- 2017-2022 **Ph.D. in Applied Mathematics**, *University of Colorado Boulder*, Boulder, CO.
2015-2017 **M.S. in Statistics**, *University of California San Diego*, La Jolla, CA.
2011-2015 **B.S. in Mathematics**, *Lanzhou University*, Lanzhou, China.
2013-2014 **Exchange student**, *University of Leeds*, Leeds, UK, Major: Mathematics.

Experience

- 01/19- Present **Research Assistant**, *University of Colorado Boulder*, Advisor: Vanja Dukic.
○ Tracking epidemics with Google Flu Trends Data by using state-space SEIR model and sequential online learning algorithm
○ Using model selection to choose the best model to predict and estimate the disease activity levels
- 12/16-05/17 **Part Time biostatistician**, *UCSD Shiley-Marcos Alzheimer's Disease Research Center*.
○ Transferred and integrated database from archived to current studies, cleaned and merged data
○ Wrote Perl code and created report generator using R and SQL for Stanford ADRC and UCSD ADRC database
○ Wrote R script to upload data for the National Alzheimer's Coordinating Center (NACC submission)
- 06/16-03/17 **Research Intern**, *La Jolla Institute for Allergy and Immunology*.
○ Developed FitHiC, an R package accepted by Bioconductor on Oct. 2016, which improves the total time up to 50% than the Python version and has been downloaded more than 5500 times.

Technical Skills

	Languages	Tools
Advanced:	Python, R, SAS, SQL	Numpy, Sklearn, ggplot
Intermediate:	Matlab, Perl, Mathematica	mySQL
Exposure:	C++	R-shiny, git

Relevant Coursework

Math & Stats

- Time Series, Bayesian Stats, Stat. Collab., Spatial Stat., Markov Processes, Survival Analysis, Multivariate Analysis, Numerical Analysis, Applied Analysis, Discrete Math

Computer Science

- Design and Analysis of Algorithms, Machine learning, Principles of Artificial Intelligence, Web Mining and Recommender Systems