CHENFENG LI

Chicago, IL 60615 | (872)-215-0270 | cfli@uchicago.edu | https://ChenfengLi.com

EDUCATION

MS **University of Chicago** | Department of Statistics   Sep 2022 - Expected Jun 2024
Relevant Courses: Reinforcement Learning, Trustworthy Machine Learning, Generalized Linear Model
Scholarships: Tuition Scholarship of Statistics Master Program (2022, 2023)

BS **Chinese University of Hong Kong (CUHK)** | Department of Mathematics   Sep 2018 - Jul 2022
Major Concentration: Computational Big Data Analytics; Minor: Statistics
Scholarships and Honors: BS degree with First Class Honor (2022), Undergraduate Mathematics
Scholarship (2021), College Scholarships (2019, 2022)

SKILLS and CERTIFICATIONS

Programming: Python, R, C, C++, JavaScript, PHP, SQL
Technical Skills: Machine Learning Algorithms, Statistical Analytics, Databases, Programming Algorithms
Language: English (Fluent, IELTS: 7/9), Mandarin Chinese (Native), Cantonese (Native)
Certifications: Deep Learning Specialization from DeepLearning.AI (Coursera), Google Advanced Data Analytics
Specialization from Google (Coursera), Web Application for Everybody Specialization from UMich (Coursera)

RESEARCH and PROJECT

Project Leader | Department of Statistics, UChicago   Apr - May 2023
- Topic: Robustness to Spurious Correlations via Distributionally Robust Optimization (DRO).
  Reviewed the theory of DRO, built and evaluated a DRO neural network model, compiled reports.
- Led a team of three. Communicated with members and organized tasks.
- Constructed a colored MNIST dataset with spurious correlations, wrote a DRO models and applied to the
  dataset. Made comparison with empirical model and tested the performance in general case. Concluded
  that the DRO model with strong regularization properly eliminates the influence of spurious correlations.

Statistical Consultant | Department of Statistics, UChicago   Sep - Nov 2022
- Team of five. Provided consulting services to local clients with data issues.
- Reviewed the materials provided by clients in advance. Met with them online and discussed the detailed
  concerning of their problem. Provided brief suggestions on data analysis.
- Delivered the final reports to clients. Made presentations to the instructor and other consulting groups.
- Completed three consultations related to healthcare and hospital during the period.

Data Analyst | Chung Chi College, CUHK   Jun - Dec 2021
- Capstone project. Topic: The current situation and feasible development direction of Chinese medicine.
- Teamwork of four. Explored public's perception of Chinese medicine, the recent status of the profession
  and the possible methods of its modernization.
- Designed and distributed online and paperbased questionnaire, processed regression analysis and visualized
  by charts. Concluded overall positive view, with higher perception among older, less-educated group.

Independent Researcher | Department of Mathematics, CUHK   Sep - Dec 2020
- Topic: A General Review of Facial Recognition Technology.
- Reviewed the theories of facial detection and recognition methods proposed in the past decades.
- Implemented a facial recognition model through Convolutional Neural Network (CNN) on Python.
  Achieved a prediction accuracy of 91.7% on a dataset with 2,749 images from 52 individuals.