

CHENFENG LI

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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 risk minimization model. 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 with healthcare firm and hospitals 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.
 - Google form to design a questionnaire about this perception, processed regression analysis and visualized by charts. Concluded overall positive view, with higher perception among older, less-educated people.
- Independent Researcher** | Department of Mathematics, CUHK Sep - Dec 2020
- Topic: A General Review of Facial Recognition Technology.
 - Reviewed the theories of several 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 95% on a dataset with 2,749 images from 52 individuals.