

Yining CHEN

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Education Background

University of Toronto

Honors B.S. in **Statistical Science: Methods and Practice Focus in Economics**

Overall GPA: **3.59/4.0**

Honors: Dean's List for Academic Year 2018-2019, 2019-2020, 2020-2021, 2021-2022

ON, Canada

09/2018 – 06/2022

Columbia University

M.S. in **Biostatistics**

09/2022 – 06/2024

Internship Experience

Shanghai Lianwei Digital Tech Group

Shanghai, China

E-Commerce Data Analysis Intern

05/2021-08/2021

- Responsible for collecting data from brands on Jingdong Data Square and Ali Data Bank, tracking and evaluating operational data
- Analyzed users' consumption behavior, browsing behavior and collection and purchase behavior in each marketing channel, and established crowd portraits and extracted core features to help brands' crowd precision placement and secondary reach
- Provided support for e-commerce data and strategic solutions for domestic and international super tier 1 beauty brands during promotions, from pre-strategy planning to post-media execution and placement tracking
- Followed the dynamics of e-commerce platforms and industry competitors, and provide companies with full-chain analysis and consulting from data to insights to strategy customization and implementation

Gerson Lehrman Group

Shanghai, China

Data Intern

09/2020-01/2021

- Provided effective support of Member Solutions team and help management make data-informed decisions
- Responsible for checking and updating the database on Looker on a regular basis. Extracted the required data from Looker on a regular basis and organized it into a monthly report in excel format. Provided solutions to SQL database exceptions and problems raised by the leader
- Conducted industry research and helped identify senior Council Members
- Interacted with GLG Council Members and addressed general inquiries, via email, telephone regarding their consulting relationship with GLG
- Collaborated with GLG's compliance team to protect the integrity of all GLG engagements

Research Experiences

Risk Scoring Project for Patients' ICU Admission

11/2021-04/2022

- Cooperated with a local hospital and developed an alternative risk score other than NEWS score to assess patients' risk of ICU admission
- Conducted survival analysis and developed a joint model of Cox proportional hazard model and linear mixed model in R to estimate the risk score for patients ICU admission based on their age, gender and some longitudinal biomarkers such as respiration rates, systolic blood pressure, pulse rate, body temperature and etc.
- Completed the corresponding statistical report and present the results to the collaborators.

Data Analytics Project for Virtual Company

04/2021

- Made use of program packages such as tidyverse and ggplot in R to clean and visualize the data of over 600 employees in a more intuitive report in the form of bars, box plots, etc
- Built logistic regression models and linear mixed-effects models to examine the fairness of each process in greater depth, and used likelihood ratio tests to select the best model for predicting future results

Data Analytics Project for Riipen

04/2019

- Combined different databases and aggregated data by writing SQL and R code to investigate questions such as Riipen's main target groups, the most popular programs students were looking for, the average time it took for companies to respond, the acceptance rate of requests, and whether the new policy was working for the company
- Analyzed data by building regression models, sampling distributions, hypothesis testing, classification trees and other statistical methods
- Presented our results to the public by showing p-values, graphs, distributions and codes. Explained what these mean, what methods we used, what conclusions we reached, and provided feedback and suggestions to Riipen

Skills

- **Computer Skills:** R, SAS, SQL, STATA, Looker