WANYI HE

10 River Road, 17A, New York, NY 10044 | (646) 894-1184 | dorahwy713@gmail.com

EDUCATION

Cornell University – Weill Graduate School of Medical Sciences   **New York, NY**
Master of Science in Biostatistics and Data Science   December 2019

Purdue University   **West Lafayette, IN**
Bachelor of Science in Mathematics/Business   December 2017
Bachelor of Science in Applied Statistics
- Minors in Management / Film and Video Study

SPECIALIZED SKILLS

Technical Skills: RStudio, SAS, Python, MySQL, MS Office (Access, Excel, PowerPoint, Word), Data Mining
Language Skills: Chinese (Mandarin)

DATA SCIENCE EXPERIENCE

Weill Cornell Medicine   **New York, NY**
- Research Assistant - EHE Retrospective Chart Review Study   Jun. 2019 - present
  - Responsible for building the REDCap research database; Designing 20+ instruments and 1,000+ fields
  - Meet and communicate with the client on the detailed structures of the database

- Biostatistician – Capstone Project for Master's Degree   May. 2019 – Aug. 2019
  - Evaluated the Racial and Regional Differences in Active Surveillance for Low-Risk Prostate Cancer in the USA
  - Cleaned data from database that contains 200+ predictors and 310,000+ observations (363.4M)
  - Collaborated with team to conduct multivariate logistic regression models and performed stratified analysis
  - Performed sensitivity analysis to deal with 20,000+ unknown data in the outcome variable

- R Package Development for NHANES database   Mar. 2019 – Apr. 2019
  - Collaborated with group to develop an R package aiming at efficiently preparing data before analysis
  - Responsible for developing functions of data graphical and tabular representations

Purdue University, Department of Nutrition Science   **West Lafayette, IN**
Student Data Associate   Sept. 2017 – Dec. 2017
- Evaluated the effect of Supplemental Nutrition Assistance Program education on household food security status and dietary intake; Program sponsored by United States Department of Agriculture (USDA)
- Cleaned and managed nutritional data with 100+ variables by SAS
- Performed hypothesis tests to identify the changes in two consecutive years and help with the statistical modeling
- Collected data by communicating with people about their characteristic living status and quantitative dietary intake

FINANCIAL INDUSTRY EXPERIENCE

CredEx Fintech, LTD   **Shenzhen, China**
Department of Risk Management, Associate   Jun. 2017 – Jul. 2017
- Participated in a start-up project for small enterprise loans; Summarized best practices of small enterprise loans
- Collaborated with team to develop the score-card variable library (700+ variables) for risk rating and modeling

Shenzhen Capital Group CO., LTD   **Shenzhen, China**
Secretary Dept. of Investment Policy-making Committee   Jun. 2016 – Aug. 2016
- Participated in the preliminary examination and investment processes; Collaborated with the department to complete the meeting minutes and summaries of investment projects to provide references for subsequent follow-ups and improvements
- Understood Due Diligence Investigation and Feasibility analysis, including business analysis, equity structure, financial management, and business laws

OTHER EXPERIENCE

Purdue University, Department of Mathematics   **West Lafayette, IN**
- Linear Algebra Teaching Assistant   Aug. 2016 – May. 2017
- Math Exams Proctor   Aug. 2015 – Dec. 2016

ACTIVITIES

- Student Associate of Port Coffeehouse on campus, Purdue University   Jan. 2015 – May. 2016
- Voluntary Grader of MathCount National Mathematical Competition   Feb. 2016
- Interpreter of International Education Exhibition   Jul. 2015
- Member of Purdue Taekwondo Club   Sept. 2015 – Dec. 2016