Data Analyst Applicant: Yulin Song

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EDUCATION HISTORY

08/2018 – 05/2022   **University of Illinois at Urbana-Champaign**   **Undergrad: BS Statistics & Econometrics**

- GPA: 3.63/4.0; Graduating in May of 2022;
- US News 2021 University Ranking Tied #47; QS 2021 Global University #82; Engineering school top 10;
- Core courses: Calc., Stats., Prob., Lin. Alg., Exp. Design., Data Anly., Econometrics, Data Mgmt., Time Ser., R, Java etc.

PROFESSIONAL EXPERIENCES

07/2021 – 08/2021   **Tencent Technology (Shenzhen) Co., Ltd**   **Data Analyst Part Time Assistant**

- Practiced a variety of SQL database applications under the direction of the supervisor;
- Inserted data into MySQL database, utilized different logical operators in SQL and designed query language structure for personalized purposes, such as data classification, clustering, and analysis;
- Customized visualization of corresponding query results in Tableau and Microsoft PowerPoints, and reported to the key stakeholders;
- Instructed by supervisor to review and improve data analysis practices for enhanced results.

RESEARCH PROJECTS

03/2021 – 05/2021   **Study on the Impacts of Diets on COVID-19 Fatality Rate**   **Group Leader**

- Applied machine learning and statistical methodologies, including BIC, linear regression, cross-validation, and PCA, to examine the relationship between the nutritional composition of daily diets and COVID-19 fatality rates of the residents of 170 countries;
- Divided the collected datasets into the training sets and testing sets, established and trained models in R that eventually determine that the Random Forests model was optimal with minimum mean prediction error;
- Took charge of team building, labor division and time management to ensure the successful completion of projects.

09/2021 – 10/2021   **Study on Big Data Algorithms & Machine Learning Methods**   **Undergraduate Researcher**

- Explored different machine learning methodologies, big data algorithms, and relevant optimization skills under the supervision of Professor David Woodruff from Carnegie Mellon University;
- Constructed image-based calorie estimation models using SSD to enable auto-recognition of different food types in photographs, auto calculation of calorie intakes, and auto recommendation of recipes and diet plans;
- Coauthored with other 3 members to write a paper named *Image-Based Food Calories Estimation Using Various Models of Machine Learning*.

07/2021 – 08/2021   **Tech-aided Humanitarian Work for Children with Cerebral Palsy (CP)**   **Tech Group Member**

- Participated and studied the situations of special education in China, and used high-tech in special education;
- Observed and recorded behavioral information of children diagnosed with autism and CP;
- Used artificial reality and virtual reality to strengthen the learning experiences of the children;
- Collected the data concerning the exceptional child and conducted a research paper using the data.

COMPUTER SKILLS

- Proficiency in Word & PPT; Proficiency in Excel and the functions of data analysis and data wrangling;
- Proficiency in MySQL to query & operate relational databases, using query results to visualize in Tableau and PPT;
- Proficiency in R and R packages to manage, calibrate, analyze, and visualize data, generate reports using R Markdown;
- Familiar with Shiny App, Statistical software like SAS, and programming languages like Java and Python.

OTHER SKILLS, QUALIFICATIONS, INTERESTS

- English Proficiency: GRE 325 (Dec 2021); GRE Writing 4.5 (Oct 2020 Perc.80%); TOEFL 107 (Perc.90%);
- Academic Qualifications: 2 semesters in Dean's List at UIUC; 4 semesters having GPA greater than 3.85;
- Other Qualifications: Driver License of China since August 2018;
- Interests: Tennis, Singing, Music, Great Cuisines, travel, phone photography, Chinese traditional art forms.

SELF EVALUATION

- Eager to learn, good at learning virtues of others, summating shortcomings and advantages and to improve myself;
- Able to work under pressure, optimistic and dutiful, actively improve communication skills via speech & social events;
- Able to being helpful and kind-hearted; Great at listening to others' devices and to be patient in solving problems.