SIYI HUANG

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HIGHLIGHTS OF QUALIFICATIONS

- Comprehensive understanding of Machine Learning, Statistical Methodologies to conduct quantitative analysis
- A self-motivated and result-driven individual with practical communication skills working with cross-functional teams
- Proficient in Python, SQL; Working knowledge of Tableau
- Highly experienced in operating and maintaining activities associated with utilization of the CMMS software
- Ability to deliver efficient, timely, reliable and courteous service to customers

WORK EXPERIENCE

Data Management Analyst, *CBRE***,** Toronto, ON   May 2022 – Present
CBRE Global Workplace Solutions (GWS) EMEA - Infrastructure Ontario (IO)

- Reviewed accuracy of information provided, developed data quality processes and tools, responded to data requests from management and vendors
- Analyzed the efficiency of existing data pipelines and improved the existing business processes through automation and standardization using PowerAutomate and Python; reduced manual work by 30%
- Led Computerized Maintenance Management Systems (CMMS) activities including operations, implementations, data integrity program and ongoing care; maintained data for equipment and asset records, user and vendor maintenance, work order management and site matrix maintenance
- Provided daily user support including troubleshooting and data maintenance for work order data analysis; provided guidance and support to end users in the operation, use and capabilities of the CMMS

Senior Business Consultant, *Ernst & Young***,** Shanghai, China   October 2020 – December 2021

- Assisted in global transformation program to integrate local applications to a global SAP system; performed data migration enforcement tasks including data conversion, data cleansing and data mapping using MS Excel and SQL
- Performed process risk control assessment and benchmarking analysis to identify control gaps and improvement opportunities, developed short and long-term remediation plan for continuous control for processes including wholesaler management, vendor management and entity-level risk
- Performed SAP IT general control review, addressed the control deficiencies, performed benchmark analysis of control design and improvement; optimized the design of IT internal control framework for SAP systems

Senior Data Analyst, *DSFederal***,** Rockville, USA   June 2018 – May 2020

- Assisted in building a Natural Language Processing pipeline in Python to automatically parse and structure research documents, identified significant keywords and cluster similar documents
- Assisted to develop Python scripts to automate the manual process of mapping accomplishment to goals using Word Mover's Distance; helped clients easily evaluate, track and manage research deliverables utilizing Tableau dashboards
- Worked closely with the Finance team to develop performance monitoring framework with profit metrics, and built Tableau reports to help the Managing Director monitor business performance and make data-informed decisions
- Built a SQL database for HHS to quickly extract important information, generate reports and assess the performance of each state on disease preparation
- Organized status review meetings with clients to report the updates, obstacles, and resource requirements; generated weekly and monthly report to stakeholders for reference

EDUCATION

Master of Science in Statistics   2015 – 2017
George Washington University, Washington DC, USA

- **GPA**: 3.8/4.0
- **Key Courses**: Machine Learning | Advanced Descriptive & Predictive Analytics | CRM (Clustering, Logistic regression, Survival Model) | Database Management

Bachelor of Science in Statistics   2013 – 2015
University of Michigan, Ann Arbor, MI, USA

- **GPA**: 3.7/4.0, Double Major in Statistics and Economics
- **Award**: University Honors