Ruiqi Huang

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Victoria, Canada

Education

- **M.Eng. Telecommunications & Information Security** The University of Victoria, Canada
  Now
- **M.Sc. Data Science** The University of Sheffield, the UK
  Sep 2019 – Nov 2020
- **B.Sc. Mathematics and Applied Mathematics** Liaoning Normal University, China
  Sep 2014 – Jul 2018

Skills and Competencies

- **Databases:** MySQL, Oracle, PostgreSQL
- **Software:** Excel, PowerPoint, Word, Tableau, SPSS, KNIME
- **Programming:** Python (NumPy, pandas, NumPy, Scikit-Learn), R (ggplot2, tidyr), VBA
- **Web development:** JavaScript, CSS, HTML

Work Experience

Data Analyst **Ping An Insurance** **Jan 2021 - June 2023**
Strategic Management Department Chengdu, Shenzhen, China

- Spearheaded one enterprise-wide and two branch-specific industrial analysis projects to uncover market opportunities, using **Excel** and **Aether** for premium income forecasting.
- Prepared detailed monthly business analysis reports specifically for executive leadership using **VBA**, **MySQL**, **Excel**, and **PowerPoint**, aiding in informed decision-making and strategy development.
- Implemented KPIs for performance monitoring, developing a real-time dashboard that facilitated data-centric management.

Academic Conference Specialist **Young Academic Conference** **Jul 2018 - Mar 2019**
HKCBEES Team Chengdu, China

- Managed key academic conferences including ICABT 2018 with Chulalongkorn University, Thailand and ICFEE 2019 in Osaka, Japan.
- **Developed strategic relationships** with internal and external participants including keynote speakers and journalists.
- Demonstrated strong **time management skills**, efficiently prioritizing tasks and responding to unexpected challenges under pressure.

Internship Experience

REF Case Research Specialist **University of Sheffield** **Nov 2019 - Jun 2020**

- **Performed qualitative research** by collecting evidence available in the public domain and using impact tracking tools to gather evidence. Responsible for the case of the PWM-driven high-performance brushless AC service from the School of Electrical and Electronic Engineering during 2021 REF consensus.

Data Specialist **Dingfu Data** **Nov 2017 - Feb 2018**

- Meticulously annotated corporate disclosure data, examining company actions and market dynamics for investor insights.

Data Specialist	**MyCos**	**June 2017 - July 2017**

- Collected and analyzed questionnaire survey using Excel, and provided quality report about the recent graduated students of Hebei University of Technology, Southwestern University of Finance and Economics

Achievements

- Awarded **"Outstanding Staff"** at Ping An Insurance (Group) Company of China Ltd., Sichuan Branch 2021
- Awarded **"Outstanding Staff"** at Ping An Insurance (Group) Company of China Ltd., 2022
- First Prize in Debating Competition of Mathematics College of Liaoning Normal University

Project

Optimized stock portfolio allocation strategy of 30 DJIA stocks **in Python**   **Course Project**

- Implemented **DDPG**, comparing it against traditional DJIA index benchmarks to manage a portfolio of stocks
- Achieved a cumulative return of 3.779% with the DDPG model, surpassing the DJIA's return of 0.1032%. The DDPG model also demonstrated a lower daily value at risk by 4%, enhancing investment safety compared to the DJIA

KPI Dashboard Development **in SQL, Tableau**   **Pingan**

- Developed a comprehensive KPI dashboard to monitor and analyze key performance indicators.
- Collaborated with cross-functional teams to identify and define relevant KPIs aligned with organizational goals.
- Integrated data from multiple sources such as Industry associations publish statistics and internal databases ensuring accurate and timely reporting.
- Improved decision-making efficiency by reducing the time required to generate reports from mothly to daily.

Predicted useful vote counts of drug reviews and the customers' demand for drugs   **Course Project**

- Used **multinomial logistic regression**, linear **SVM**, **LSTM** for prediction, **LDA** and **EDA** for topic modeling
- Developed an LSTM model with the highest accuracy of 0.64 compared with the multinomial logistic regression and linear SVM models, which are 0.60 and 0.59 respectively

Interests

- **Sports:** Swimming (National third-level athlete in the 50-meter freestyle), Scuba diving (Open Water Diver), Yoga, Running, skiing
- **Travel:** Visited 20 countries, including the America, Mexico, the United Kingdom, France, Spain, the Czech Republic, Austria, Turkey, Australia, Japan, Sri Lanka, Cambodia, Thailand, and more.

Volunteer

- Volunteered as an after-school activity teacher at Chengdu Jinke Road Primary School, Mar 2019 - Jun 2019
- Volunteered as a museum guide at the Sichuan Science and Technology Museum from Jul 2014 - Aug 2014