

Ruyi Qu

Toronto, ON | 437-970-6616 | rui.qu@mail.utoronto.ca | [GitHub](#) | [Personal Website](#)

SKILLS

Programming	SQL · Python · R · PySpark · Java · C/C++ · Scala · MATLAB · SAS
Analytics	Excel · Tableau · Azure · Google Analytics · GitHub · Git · MongoDB · Cassandra · Power BI
Big Data	AWS · Hadoop · Spark · HDFS · MapReduce · Docker · Kubernetes
Modelling	Machine Learning · Deep Learning

EDUCATION

Bachelor of Science, University of Toronto

Toronto, Canada

- Double major: Mathematics & Cognitive Science
 - Research specializations: Machine learning, Deep learning
-

Sep 2018 – Sep 2022

WORK EXPERIENCE

RallyCry Ventures

Boston, MA

Venture Capital Data Analyst

Mar 2021 – July 2021

- **Conducted advanced data analytics and quantitative analysis on investment portfolio**, proving insightful suggestions to help investors make wise and successful decisions
- Dealt with datasets with **more than three million rows**, and used **SQL** to manage datasets and **Tableau** to create interactive dashboards
- Built a start-up success prediction model using machine learning algorithms (Random Forest, LGBM, XGBoost, etc.), **achieving 70% accuracy** rate to effectively support crucial investment decisions **and increase ROI by 20%**
- **Managed a data automation project**, changed monthly from manual Excel loading to SQL auto-refresh on Tableau, **significantly improving data reporting and visualization efficiency by 40%**

For A Safer Space

Toronto, ON

Product Analyst

Sep 2020 – May 2021

- **Responsible for developing marketing strategies at marketing analytics team**, providing data insights and evidence-based suggestions to increase sales and maximize revenue
- **Led product engagement campaigns to increase brand awareness and promote new products**, using data as evidence to support decisions and successfully increase product sales by 18%
- **Used Excel, Google analytics and Tableau to monitor website KPIs (visitor number, average session duration, conversion rate, etc.)**, recommending personalized products for customers based on their preferences and needs

Huawei Canada

Toronto, ON

Data Analyst

May 2020 – Dec 2020

- **Collaborated with HR talent acquisition team to conduct data analysis, visualization, and reporting**
 - Built logistic regression model to analyze significant factors which influence employee turnover, providing actionable suggestions to reduce employee churn
 - Created interactive dashboards using **SQL and Tableau**, demonstrating monthly data insights and descriptive statistics
 - **Automated the process of extracting and cleaning external talent acquisition data**, improving hiring efficiency by 4% and effectively improving the quality of hire
 - Utilized **Python API** to request and analyze data, **automating dashboard generation and supporting stakeholders to make right and wise decisions**
-

PUBLICATIONS

- Qu, R.; Xiao, Z. [An Attentive Multi-Modal CNN for Brain Tumor Radiogenomic Classification](#). *Information* 2022, 13, 124.
- R. Qu, Y. Yang and Y. Wang, "[COVID-19 Detection Using CT Image Based On YOLOv5 Network](#)," 2021 3rd International Academic Exchange Conference on Science and Technology Innovation (IAECST), 2021, pp. 622-625.
- Qu, R., Huang, S., Zhou, J., Fan, C., & Yan, Z. (2022). [The Vehicle Trajectory Prediction Based on ResNet and EfficientNet Model](#).
- Yahan, K., Qu, R., & Xiaoxia, L. (2022). [Classification Of Fake News Headline Based On Neural Networks](#).