

# RUYIQU

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<https://ruyiq.github.io>

## Qualification Summary

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- A data professional with 2+ years of experience in analytics & reporting driving actionable insights from data
- Result-driven team player with proven experience in cross-functional collaboration data manipulation
- Advanced knowledge in data analysis, data visualization, process optimization and machine learning leveraging analytical tools: **SQL** (HackerRank Advanced), **Python**/Pyspark, **Tableau** (Desktop Specialist Certificate), Hadoop, SAS (Base & Advanced Certificate) and MS (Excel, VBA/Macro)
- Self-driven fast-learner with strong problem-solving, time-management and communication skills

## EDUCATION

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### University of Toronto

Toronto, ON (September 2018 – September 2022)

- Bachelor of Science in Mathematics and Cognitive Science (double major)

## WORK EXPERIENCE

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### VC Data Analyst

RallyCry Ventures

Boston, US (May 2021 – July 2021)

- Collaborated with cross-functional stakeholders on business requirement gathering, and conducted quantitative data analysis on investment portfolio to deliver qualitative financial analysis on clients and tailored investment plans
- Created monthly portfolio performance dashboard using SQL with 15+ KPIs and Tableau on datasets of 3M+ records to visualize portfolio performance and customer engagement on multiple LOBs and identify investment opportunities
- Built startup success prediction models through finalizing success KPIs with stakeholders and implementing classification algorithms (LGBM, XGBoost, Random Forest etc.) with 70% accuracy to support investment decisions and increase ROI
- Proactively streamlined current recurring report process through migration from manual Excel process to Tableau visualization fed from SQL procedure, improving the reporting efficiency by 40%

### Product Analyst

For A Safer Space

Toronto, CA (September 2020 - May 2021)

- Developed marketing strategy by conducting competitive analysis and creating self-served visualization reports with Tableau, and presented consolidated insights and recommendations that were adopted and put into production
- Performed product analysis through creating a monthly website traffic tracking dashboard using Excel and Tableau to analyze top website functions and customer attributes to provide recommendations on business development
- Led a product engagement campaign by analyzing website traffic data and providing recommendations on campaign channels to increase product recognition, improving product usage by 8%

### Data Analyst

Huawei Canada

Toronto, ON (May 2020 - December 2020)

- Collaborated with HR team on talent acquisition analysis requirements, created a dashboard using SQL and Tableau to analyze patterns, and summarized insights and recommendations, leading to an acquisition efficiency increase of 4%
- Performed employee turnover analysis leveraging logistic regression model to analyze factors that would impact employee tenure and provided recommendations to reduce employee churn
- Proactively automated HR market analysis through extracting data and creating data pipeline from external HR data API using Python, and built Tableau reports for visualization to better support stakeholders' decision making

## PROJECT EXPERIENCE

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### VinBigData Chest X-ray Abnormalities Detection (Kaggle Competition)

2021

- Localized and classified thoracic abnormalities from chest radiographs by building models with Python
- Trained model with 15,000 independently labeled images and evaluated a test set of 3,000 images
- Awarded a bronze medal for Top 9 percent finish of 1,300 teams in the Kaggle Competition

### Cassava Leaf Disease Classification (Kaggle Competition)

2020

- Reduced crop destruction for farmers by allowing for more efficient and accurate identification of diseased plants by classifying cassava images into four disease categories and a fifth healthy category
- Built two models in Python (ResNet50 32x4 and EfficientNet B4) using various machine learning libraries (Torch, Scikit-learn, OpenCV, pandas, NumPy, matplotlib) and implemented 5-fold cross-validation on training datasets.
- Achieved a bronze medal and Top 8 percent finish out of 4,000 teams in the Kaggle competition