DINGRUI(FRANK) ZHANG

Business Analyst | R Developer

I enjoy working with data to solve business problems and build tools that help people. My favorite part of working in data science is the constant opportunity to learn, from statistics and software development to real business problems as well as to use tools to communicate insights with people and help them make decisions.

🎓 EDUCATION

Master of Professional Accounting

2019 | 2017

University of New South Wales

📍 Sydney, Australia

Exchange Student Program (Major in Accounting)

2017 | 2016

University of New South Wales

📍 Sydney, Australia

• Achieved Overall Distinction WAM

Bachelor of Management (Major in Accounting)

2016 | 2013

Hebei University of Economics and Business

📍 Shijiazhuang, China
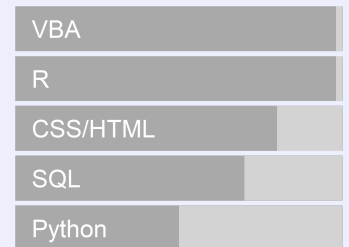
• Achieved Overall WAM of 80

💼 PROFESSIONAL EXPERIENCE

Consultant, Data Analytics

Present | 2020 Jan

PwC Australia

📍 Sydney, Australia

• Worked on data analysis and visualisation, and bring data analytic techniques to bear on a wide variety of problems.

• Utilised data analysis and visualisation techniques to provide clients with powerful business insight regarding their data. This would in turn help them make informed business decisions. Tools used include Alteryx, SQL, Power BI, Tableau and Qlik Sense.

• Developed and maintained easy-to-use product and provided training and documentation for both internal and external parties. Tools used include: Google App Script, Python and VBA

• Played a key role in mapping the existing business process of the organization with respect to data governance and management and suggesting appropriate business practices to modify them to meet their requirements.

• Attended meetings with multiple project stakeholders including internal and external clients to gather and document detailed data requirements.
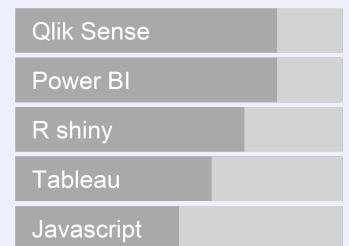
CONTACT

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🐱 github.com/frankzhangsyd

in Dingrui(Frank) Zhang

🏠 ding-rui.org

CODING

VBA	
R	
CSS/HTML	
SQL	
Python	

VISUALIZATION

Qlik Sense	
Power BI	
R shiny	
Tableau	
Javascript	

STRENGTH

Excel	
Alteryx	
Web Scraping	
R Package Developing	
Git	
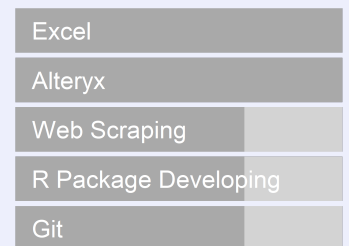
2019 Dec
|
2019 Aug

Finance Analyst

The University of Sydney

📍 Sydney, Australia

- Improved reporting pipelines utilising VBA , SmartView and R to automate processes and provide high-level quality controls.
- Migrated monthly financial reporting dashboards from excel-based to Power BI. The migration saved more than 50% time comparing with excel-based method
- Assisted with the preparation of reconciliations of financial and operational data from different sources and provided recommendations to Finance Managers and Head of Schools
- Assisted with providing budget and forecast for multiple stakeholders

2019 Aug
|
2018 Dec

Data Analyst Intern

Travelzoo (NASDAQ: TZOO)

📍 Sydney, Australia

- Developed an automated program (web scraper) that identifies and stores the marketing data in database to produce the desired reports.
- Developed multiple macros and R scripts to collect information from multiple sources(ERP, Excel, Text …), analyse data and generate report automatically. Saved more than 50% time.
- Collected and maintained history operation database and built up weekly operation report for the whole APAC(Asia Pacific) area.
- Provided operations support for APAC Team, for example: overseas collection deal price point conversion.
- Built quarterly/monthly dashboard for different countries in APAC area which provided measurements for management.

2018 Sep
|
2017 Aug

Junior Financial Analyst

UBI Logistics (Australia) Pty Ltd

📍 Sydney, Australia

- Developed a billing system based on VBA and R which supports generating billing statements, email automation and aging analysis. This system significantly freed people from heavy and routine manual work, reduced 2 FTE (Full-time equivalent) and improved collecting accounts receivable.
- Developed a procedure to analyse data, identify discrepancies and design reporting mechanism, which allow on-time and accurate measure of the company performance. This procedure is still utilized and has been able to recover more than 120,000 AUD in the past 1 year, which otherwise would be lost because of the information inaccuracy.
- Built and maintained a MySQL finance database which helps finance department find discrepancies between forecast and real-time data, also responsible for designing data tables, managing permissions and setting up backups.
- Worked as a consultant with a team of 5 co-workers from both China and Australia to establish an online invoicing system and successfully coordinated the project between finance and IT team.
- Provided training to co-workers on program I developed and wrote end-user manual.

🚀 PROFESSIONAL DEVELOPMENT

Present | 2019 Aug

Provisional member of Chartered Accountants ANZ

Present | 2017 Aug

26 R Courses on Datacamp

Datacamp (Click here to see the list)

Courses include:

• Cleansing, Transformation and Visualization of data

• Reporting and Visualization using Rmarkdown, ggplot2 and Shiny

• Webscraping with R

• Use SQL in R

Present | 2018 Aug

CFA Level 1 Passed

CFA Institute (Click here to see badge)