

YUFENG DONG

KEY SUMMARY

- Bachelor of Civil Engineering with strong foundational knowledge in construction management, geotechnical engineering and design coordination.
- Proficient in civil engineering software such as AutoCAD, Civil 3D, and Revit, with hands-on experience in project planning, Soil Behavior and Geotechnical Engineering.
- Strong analytical skills with the ability to apply data-driven approaches to engineering problems, enhancing project efficiency and decision-making.

PROFESSIONAL EXPERIENCE

Cater Care

Sydney

Quality Department Contract

Feb 2024 - Apr 2024

In my role at Cater Care's Quality Department, I spearheaded pivotal analytics and compliance initiatives, showcasing a deep commitment to enhancing operational efficiencies and governance. My key contributions included:

- Data Analytics and Automation: Automated 2023 inspection data using Google Sheets and Looker Studio, improving Quality Assurance (QA) and Quality Control (QC) workflows by 25% through enhanced risk management.
- Risk and Compliance Oversight: Analyzed operational data to uncover trends and patterns, aligning recommendations with ISO standards and increasing operational efficiency by 20%.
- Reporting and Dashboard Development: Built dashboards and reports to monitor compliance data, reducing compliance review time by 30%.
- Process Improvement and Documentation: Mapped and automated business processes, documenting requirements to ensure compliance and alignment with organizational goals.
- Project Coordination: Created detailed project plans, aligning technical solutions with business requirements, and conducted post-project evaluations that identified a 15% increase in solution effectiveness.

Tencent Music (TME)

Shenzhen, China

WeSing Product Operations Intern

Oct 2021 – Jan 2022

In this intern experience, I was responsible for the overall team level operation reporting of the live streaming service in the Middle East region. I developed reports which supports key business areas including: primary anchor recruitment and management, training, new MCN (multi-channel network) company identification, event planning and KPI tracking.

- Utilized SQL and Python extract, transform, load (ETL) and visualise daily business output for the Middle East region
- Conducted operational data analysis and visualisation of metrics and model features including active users DAU, revenue, (daily flow/7-day retention), customer activity (PCU/ACU)
- Using product data to collaborate with regional Ops team and plan / track key online activities during peak festival events (USD\$10K+ daily revenue)

Beijing Kingsoft Network Technology*Government Ecological Department Intern***Beijing, China***Jul 2021 – Oct 2021*

The team is responsible for identifying and screening suppliers related to smart government initiatives, as well as facilitating matches for successfully bid engineering projects.

My role involves reviewing qualified suppliers from our database once engineering project tasks are assigned to our department. This entails using scoring criteria for evaluation and reporting, reaching out to suppliers, and ultimately convening review meetings.

- Processed and analyzed vendor channel data, and expanded SQL based workflow, onboarded additional suppliers in environmental sector to enable compatibility with Jinshan Cloud
- Collaborated with stakeholders in the product delivery department, utilized data analysis skills to review new supplier relationships, ensuring the business decisions were sound and data-driven
- Utilized SQL and methodologies to conduct comprehensive analyses of 15 smart government projects during project assessment and selection. Ultimately, 7 projects were chosen (highest mark 1 of 3 supplier), demonstrating potential business value with support from data analysis
- Worked with over 50 retail and commercial counterparts, spanning smart government affairs, roads and bridges, community organizations, and transportation sectors, with projects valued at up to 4.25 million AUD

EDUCATION

University of Sydney*Master of Data Science***Sydney, Australia***Mar 2022 – Mar 2023*

- **GPA:** 72%
- **Relevant Coursework:** Machine Learning and Data Mining, Natural Language Processing, Computational Statistical Methods

University of Technology Sydney*Bachelor of Civil Engineering (Honours Degree)***Sydney, Australia***Mar 2016 – Nov 2020*

- **GPA:** 61%
- **Relevant Coursework:** Fluid Mechanics, Solid Mechanics, Material Science

PROJECT EXPERIENCE

Toxic Mushroom Identification USYD Data Project**May 2021**

- Compared several performance metrics including precision, recall, f1-score, roc curve, and assessed several alternative models including LR classifier, decision tree classifier, random forest classifier, and neural network classifier, cleansed and segmented data
- Optimised model hyperparameters using grid search, and validated output, and prevented overfitting using train/test splitting, trained classifier model and assessed model performance

PwC Switzerland Digital Intelligence Job Simulation on Forage

- Completed a job simulation involving data analysis and modeling for the Digital Intelligence team.
- Built Python classification models, analyzed feature importance, and created visual representations.
- Developed a valuation document, analyzed historical data, forecasted cash flows, and determined portfolio present value.
- Collaborated on a client's data strategy proposal, analyzed medical data for adverse effects, compared medications, and suggested further investigations