

# NOR FAZLINA BINTI RAYMOND

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## Education

### THE UNIVERSITY OF QUEENSLAND

*Master of Data Science. GPA: 6.71 / 7*

Brisbane, QLD

*Feb 2017 – Dec 2018*

### UNIVERSITI KEBANGSAAN MALAYSIA

*Bachelor of Engineering in Electrical and Electronics*

Bangi, MALAYSIA

*May 2002 – May 2006*

## Experience

### UGL Ltd.

Melbourne, VIC

*Intern Data Scientist*

*Oct 2018 – Current*

- **Data Ingestion:** Developed a reusable API pipeline using Python for organized data collection and scheduling from multiple sources
- **Database:** Designed a database schema in SQL Server for storing data extracted from sensors (IoT)
- **Data Storytelling:** Created a PowerBI dashboard which assisted a senior manager's decision on tablet-usage rollout across the business
- **Data Warehousing:** Designed an ETL pipeline which improved on-site HSE auditing process
- **Automated Reporting:** Built an automated reporting tool with VBA in Excel which integrates three business divisions reporting including a high-level reporting for senior managers
- **Data Collection:** Assisted in the "Timesheet" system development which collects project resource utilization information.
- **Opportunity Discovery:** Analyze data and propose appropriate data science methods to solve problems

### QUEENSLANDS RAIL Ltd.

Brisbane, QLD

*Senior Cost Planning Officer*

*Feb 2012 – Dec 2017*

- **Data Quality:** Developed a tool to track anomalies in project finance system – resulted in 1 Mil dollars in budgets savings due to the reduction in incorrect cost bookings and data entry
- **Scheduling Tool:** Built a tool which allows systematic work and resource planning and increases time efficiency
- **Project Cost Planning Tool:** Developed a standardized cost planning management system for projects delivery
- **Data Analytics:** Developed a portfolio level dashboard for the SLT to assist in decision-making

### ANSALDO STS

Naples, ITALY & Brisbane, QLD

*Cost Estimator*

*Jun 2008 – Feb 2012*

- **Negotiation Achievements:** Achieved 16 Mil euro in savings through contractor negotiations (40% of the team's KPI) which result to the company winning multiple contracts due to competitive tender pricing.
- **Cost Estimating Systems:** Developed a system for an automated and streamlined estimating process which saves time and produces accurate results.
- **Supplier Database:** Developed and maintained a comprehensive international supplier database
- **Decision-making Matrix:** Produced a comprehensive decision-making matrix to map a complete overview of cost and technical analysis of the competing suppliers

## Projects & Accomplishments

**Machine Learning:** "Predicting gentrification in Brisbane" - using a novel approach of combining Google Street View image data with the conventional census data as variables to train the prediction model. Model accuracy is 84.3% with 10 years gentrification forecast capability. *Relevant coursework and methods: data mining, data cleaning & wrangling, EDA, feature extraction, dimensionality reduction, machine learning algorithms, regression, classification, time series, obtain a labelled dataset from Amazon Mechanical Turk, data visualization and storytelling, Python, MATLAB, Tableau*

**Big Data:** "Car maker insight with Twitter data" - Using big data framework - Hadoop ecosystem to gather insight into important events, topic and sentiment analysis on car makers. *Relevant coursework and methods: parallel processing, PySpark, RDD, HDFS, Pig, Zookeeper, NLP, LDA, Python, Matplotlib, Pyplot.*

**Internship in Italy:** Think Master of International Business Engineering Internship - Among the 30 selected interns out of 5000 applicants worldwide to undergo an internship with an Italian technology company, Finmeccanica

## Skills & Interests

**Technical:** Python, R, SQL, VBA, Matlab, HTML, CSS, Tableau, Power BI, Hadoop Ecosystem

**Language:** English (Fluent), Malay (Native), Italian (Fluent), Korean (Beginner)

**Awards & Certificates:** Dean's Commendation for Academic Excellence (2 semesters)

**Interests:** ML and AI workshops and networking events, Data Science projects for social good, golf, sewing, movies