

Ruilin Wang

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DATA ANALYSIS | POWER BI | PYTHON & SQL

PROFILE

Microsoft PL-300-certified analyst with client-capstone reporting and independent Python data projects. Builds Power BI reports, reconciles outputs to source data, and explains quality issues clearly; combines requirements gathering with software-testing discipline.

TECHNICAL SKILLS

Reporting: Power BI, Power Query, metric cards, charts, filters, source-to-report reconciliation

Analysis: Python, Pandas, NumPy, SQL/SQLite, GeoPandas, Matplotlib, scikit-learn

Delivery: Excel formulas/lookups/PivotTables, data cleaning, requirements clarification, Jira, client demos and guides

EXPERIENCE

Software Testing Intern | Hefei Xuran Information Technology

Dec 2024 - Feb 2025

- Executed manual login, data-entry, and reporting tests; documented reproducible Jira defects and followed fixes with developers.

SELECTED PROJECTS

OpenET 2 - Client Research Toolkit

Project Owner & Developer | UNSW client capstone | May 2026 - Aug 2026

- Clarified client deliverables and mapped 10 requirements to implementation and evidence; presented results and wrote user guides.
- Built Power BI reports from Python CSVs, cleaned fields in Power Query, related records by session_id, and reconciled sampled units, aggregates, and filters.

NSW Data Cleaning & Exploratory Analysis

Sole developer | Academic project | Feb 2026

- Repaired a missing month in a CSV header and reshaped data into 6,038,589 long-format records; used pandas/GeoPandas joins, charts, and daily normalization with small-baseline caveats.

Vehicle Safety & Insurance Claim Model Evaluation

Sole developer | Academic project | Apr 2026

- Evaluated models on 40,194 records with a separate 8,039-row holdout and fold-specific preprocessing; compared cross-validation, feature ablation, and thresholds.
- Used residuals and per-class metrics to explain minority-class errors and why aggregate accuracy alone was insufficient.

EDUCATION & CERTIFICATIONS

Master of Information Technology

UNSW Sydney | Feb 2025 - Sep 2026

Bachelor of Science in Computing Science, Minor in Mathematics

University of Alberta | Sep 2020 - Dec 2024

ISTQB Certified Tester Foundation Level (CTFL)

Microsoft Certified: Power BI Data Analyst Associate (PL-300)

Model results are saved academic evaluations. Power BI project work is described from confirmed experience; no production refresh, DAX, or service-administration claim.