

Daehurn Kang

Business Analyst

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PROFILE

Business Analyst with an MSci in Chemistry from Imperial College London and nearly three years in consulting, most of it spent working with data. Uses SQL, Python (Pandas), Power BI and Tableau to collect, clean and analyse data, and turns the results into reports that non-technical stakeholders can act on. Experience includes Power BI compliance dashboards for 10,000+ users, automated Python reporting, ETL redesign, and technical reports for more than 100 R&D tax clients at Grant Thornton. Looking to build on this in roles where analysis, BI and reporting are the core of the work.

KEY SKILLS

- **Data analysis:** SQL (PostgreSQL, MySQL), Python (Pandas, NumPy, Matplotlib), SQLAlchemy, data cleaning, validation and reconciliation, data modelling (star schemas), statistical testing, correlation analysis
- **Visualisation and reporting:** Power BI (DAX), Tableau, Excel, KPI dashboards, automated reporting, stakeholder reports
- **Data engineering:** ETL pipelines, layered warehouse design (raw, staging, core, mart), REST API data extraction, JSON, pytest, GitHub Actions, Git and GitHub
- **Business analysis:** requirements gathering, user stories, acceptance criteria, process and data-flow mapping, stakeholder management, Azure DevOps, Agile (Scrum)
- **Platforms and programming:** Microsoft 365, Microsoft Purview, Salesforce, Python, SQL, C#, .NET

PROFESSIONAL EXPERIENCE

Business Analyst / Change Management Consultant | Infotechtion | Oct 2024 – Present

Microsoft 365 data governance, records management and information protection consultancy.

- Build Power BI dashboards tracking classification adoption and compliance across 10,000+ users, giving leadership a view of risk exposure and adoption trends.
- Query Microsoft 365 audit logs and Purview data with SQL and Python to analyse user behaviour, sharing patterns and policy effectiveness.
- Automated weekly reporting workflows in Python, cutting manual reporting time by about 70%.
- Map data ingestion, validation and exception-handling processes, defining controls (record counts, checksums, audit logging, reconciliation) so data issues stay traceable and testable.
- Write requirements, data definitions, user stories and acceptance criteria in Azure DevOps, and interview business owners and engineers to agree one view of the solution.
- Support a global Microsoft 365 data-protection rollout reaching more than 10,000 end users, including training and follow-up.

Technical Consultant | Xander Talent (client placement at Grant Thornton UK) | Dec 2023 – Oct 2024

- Placed with Grant Thornton's R&D tax team: interviewed technical teams at more than 100 client companies and wrote HMRC R&D tax relief technical narratives for their software, data and engineering projects.
- Reconciled project cost datasets using SQL and Excel to find anomalies before submission.
- Turned complex technical detail into clear, evidence-based reports for tax specialists, working to HMRC's criteria for qualifying R&D.
- Redesigned a client's ETL process to stop collecting duplicate form fields and extracting unused data, and presented the impact to the client.
- Analysed low adoption of a client's Salesforce CRM, compared current and potential ways of working, and recommended changes; delivered in Scrum sprints with regular client reviews.

US/UK Tax Trainee | Jaffe & Co | Jul 2023 – Nov 2023

- Prepared and reconciled client financial data for US and UK tax filings, checking records were complete and consistent before statutory deadlines.
- Ran checks for missing or inconsistent information and explained findings directly to clients.

Computational Research Assistant | University of Cambridge (In2Research) | Jul 2022 – Sep 2022

github.com/dhk-developer/opt-polyethylene

- Wrote a Python package (NumPy, ASE, LAMMPS) that generated random polyethylene structures and relaxed them with a force field, following the AIRSS structure-search method.
- Presented the results as a poster at the In2Research summer conference.

DATA PROJECTS

England Housing Affordability Pipeline | Python, PostgreSQL, Power BI, pytest | 2026

github.com/dhk-developer/housing-affordability-pipeline

- Built an end-to-end pipeline loading 7.1 million HM Land Registry sales (2018–2024) and ONS earnings data into PostgreSQL through raw, staging, star-schema and mart layers, feeding a four-page Power BI report.
- Reconciled every row (raw always equals kept plus rejected, with 1.47 million rejections each given a reason); council medians match the official ONS figures within 2% for 99.7% of council-years.
- Mapped 46 renamed or merged districts to current councils in a documented seed file, and aligned every sale to ONS October–September years; unit tests run on GitHub Actions.
- Found that 111 of 294 councils became less affordable between 2019 and 2024, while London improved most (median ratio 12.9 to 12.0; Mann-Whitney U, $p < 0.000001$).

League of Legends Match Analysis | Python, Pandas, SQLAlchemy, MySQL, Riot Games API | 2024

dhk-developer.github.io/riot-analysis.html

- Built a Python pipeline to extract match data from the Riot Games API within a limit of 100 requests per 2 minutes, using throttling and staged JSON caching so runs could stop and resume.
- Requested about 3,000 matches, removed duplicates to leave 1,847 unique games, and loaded them into MySQL alongside a public 9,900-game 2020 dataset.
- Aggregated player-level data into team-level features to match the 2020 schema, and used a correlation matrix to remove redundant columns.
- Compared which factors (dragons, towers, first blood, vision) were linked to winning in each year, and documented why a direct cross-year comparison was unreliable.

Global Equity Indices Dashboard | Tableau | 2026

dhk-developer.github.io/equity-dashboard.html

- Built an interactive Tableau Public dashboard comparing major stock indices from 2019 to June 2024, with every index rebased to 100.
- Designed KPI cards (best and worst performer this year, strongest growth since 2019, deepest fall), a return-versus-volatility scatter plot, an annual returns table and an Asia-Pacific map with written analysis.

Memora: Mobile Game and Level Editor | C#, Unity 6 | Late 2024 – Present

dhk-developer.github.io/memora.html

- Building a Unity rhythm game and its level editor as a solo project; profiled the editor and cut repaint time on the densest chart from 119.8 ms to 14.9 ms, verified with 18,125 automated comparisons.

EDUCATION

MSci Chemistry (2:1), Computational Chemistry pathway | Imperial College London | 2019 – 2023

- Dissertation on the reproducibility of building Gaussian16 inputs for large biological assemblies, including a scripted workflow to reduce input errors.

Data and Technology Training | Xander Academy | 2023 – 2024

- Python (Flask, SQLAlchemy, Pandas), SQL with MySQL, data modelling, ETL and Power BI.

A-levels | LaSWAP Sixth Form | 2017 – 2019

- Chemistry (A*), Computer Science (A), Mathematics (A), Physics (A)

ADDITIONAL INFORMATION

- Languages: English (fluent), Korean (fluent)