

DONGQING LI

Healthcare Data & AI Product | Digital Health Analytics | Cloud & Dashboard Delivery

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SUMMARY

MSc Environmental Data Science and Machine Learning student at Imperial College London, with a Mathematics and Statistics background and experience in healthcare cloud delivery, data analytics, dashboard design, and 0-to-1 product operations. Previously supported Azure cloud onboarding and technical delivery at Johnson & Johnson. Currently building medical AI and digital health projects focused on explainable risk warnings, healthcare dashboards, and data-to-workflow decision support.

EDUCATION

Imperial College London

London, UK | Sept 2025 - Sept 2026

MSc Environmental Data Science and Machine Learning

University of Iowa

IA, USA | Sept 2016 - May 2020

Double Degree: B.A. Mathematics and B.S. Statistics

MEDICAL AI AND DIGITAL HEALTH PROJECTS

Oncology High-Risk Prescribing Warning System Prototype | Medical AI / Digital Health PoC

- Developed a non-clinical proof-of-concept framework for identifying potentially high-risk prescribing patterns in oncology, focusing on psychotropic medicines, CNS depressant exposure, polypharmacy, and patient-safety review workflows.
- Conducted early literature and data-feasibility research, mapping candidate oncology cohorts, medication timelines, drug classes, observation windows, and proxy safety events including emergency visits, admissions, falls, and delirium.
- Designed an explainable yellow/red alert logic that translates medication timelines, trigger conditions, and rationale fields into pharmacist or clinician review outputs, without making treatment recommendations.
- Planned a review-interface structure covering medication timeline, active alerts, trigger rationale, patient stratification, review queue, and candidate logic notes.

Women's Health Access Pressure Dashboard | Public Health Data Product

- Built a regional prioritisation dashboard for a UK women's health startup scenario, combining public aggregate data on gynaecology waiting lists, deprivation, and female population estimates in England.
- Standardised waiting pressure, access-friction, and affected-population scale into 0-100 indicators, then created an adjustable weighted index to compare regional access pressure.
- Designed dashboard storytelling around regional ranking, driver decomposition, map view, and selected-region explanation cards, positioning the index as a discovery tool rather than clinical risk scoring.

RELEVANT EXPERIENCE

Johnson & Johnson | Cloud Solution Architecture Analyst

Shanghai, China | Apr 2022 - Jun 2023

- Supported China-region cloud onboarding for internal healthcare technology modules, translating data isolation, security, network access, and global deployment requirements into localised Azure access architecture and validation documentation.
- Coordinated business, security, network, Microsoft, and global stakeholders, converting cloud access, permission, and network dependencies into business-actionable rollout steps.
- Conducted development-environment PoC checks and produced risk lists, validation feedback, architecture notes, and handover materials to reduce rollout rework.
- Analysed Azure usage, cost, risks, and optimisation actions through monthly Excel/PPT reporting, contributing to a 16% reduction in average monthly cloud costs.
- Created SOPs and user-facing documentation for cloud resource requests, access control, network issues, and platform usage.

Tada Coffee & Bistro | Founder & Product Lead

Zhengzhou, China | Jun 2023 - Aug 2025

- Built and operated a customer-facing business from 0 to 1, owning product positioning, customer journey, CRM, service workflow, online/offline operations, and performance tracking.
- Launched and iterated a WeChat mini-program for ordering, booking, and payment; used customer feedback and A/B testing to improve user journey and increase online conversion by 10%.
- Analysed behaviour and feedback from 1,500+ WeChat community members and 1,000+ organic RedNote followers to support product iteration, content strategy, and campaign decisions.

Only Education | Strategic Operations Specialist

Shanghai, China | Apr 2021 - Apr 2022

- Built SQL/Excel dashboards and KPI trackers covering enrolment, renewals, refunds, attendance, revenue, course consumption, and campus performance for weekly and monthly management reporting.
- Analysed student behaviour, retention, conversion, and operational trends, translating findings into PowerPoint reports, business insights, and follow-up recommendations for sales and management teams.

SKILLS

Data & AI: Python, SQL, pandas, NumPy, scikit-learn, PyTorch, statistical analysis, classification modelling, model evaluation

Healthcare Data & Digital Health: real-world data exploration, healthcare data mapping, risk flag design, explainable dashboards, public-health indicators, clinical workflow mapping

Cloud & Technical Delivery: Microsoft Azure, Azure Databricks, Azure Data Lake, access control, permission management, cloud onboarding, technical documentation

Product & Business: requirements clarification, stakeholder communication, dashboard storytelling, user journey design, product iteration, project tracking, management reporting

Tools & Languages: GitHub, Jupyter, VS Code, Cursor, Codex, Claude Code; Mandarin Chinese native, English fluent

Certification: Microsoft Certified: Azure Fundamentals AZ-900