David Huynh

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PROFESSIONAL SUMMARY

Data Analyst with a Master of Data Science and a strong technical foundation in systems engineering, experienced in leveraging SQL, Python, and dbt to architect scalable data models and automated reporting solutions. I specialize in translating high-volume, complex datasets into actionable business intelligence that drives B2B commercial growth and accelerates decision velocity. With a focus on treating data as a product, I am passionate about optimizing workflows and delivering evidence-based insights that shape analytics landscapes and drive operational efficiency.

KEY SKILLS

Technical Stack: Python, R, SQL, dbt, Snowflake, Power BI, Tableau, SQL Server.
Data Expertise: Data Modelling, Cohort Analysis, Automated Reporting, ETL/ELT Pipelines, Root-Cause Analysis.
Systems & Workflow: AWS, Azure, Git/Version Control, Jira, Confluence.
Professional: Data Storytelling, B2B GTM Strategy, Stakeholder Engagement, Cross-functional Collaboration.

KEY PROJECTS

MovieLens Data Warehouse & Transformation Project   November 2025 - Present
github.com/davidhuynhgit/MovieLens
- Designed a cloud-based pipeline to ingest 20M+ movie ratings and metadata from AWS S3 into Snowflake, establishing a centralized data warehouse to support downstream high-volume behavioral analysis.
- Developed dbt models to transform raw data into analytics-ready datasets, applying modular, version-controlled transformations that improved data accuracy and maintainability.
- Integrated Power BI with Snowflake to deliver interactive dashboards, providing stakeholders with visibility into user engagement patterns and content performance trends.

Brisbane City Council Library Management System   May 2025 - September 2025
github.com/davidhuynhgit/BCC_LMS
- Processed 580,000+ checkout records from 40+ branches, turning messy library data into a structured format to analyze reading behavior and branch performance using SQL.
- Automated Python workflows for data preprocessing, ensuring the repeatability of data transformations, significantly reducing the manual effort required for monthly branch performance auditing.
- Developed Power BI dashboards highlighting borrowing patterns, language diversity, and branch accessibility, enabling evidence-based decisions to optimize community service delivery and resource allocation.

Queensland Government's Advance Queensland Program   April 2024 - May 2024
github.com/davidhuynhgit/AdvanceQLD
- Analysed public fund distribution to assess program effectiveness and support for targeted cohorts, translating complex datasets into strategic insights with ethical consideration.
- Applied Topic Modelling via Python on news media archives to extract key societal impact themes, providing a qualitative layer to supplement quantitative funding metrics.
- Delivered data-backed recommendations to stakeholders, demonstrating the program's influence on regional innovation and informing future funding framework decisions.

PROFESSIONAL EXPERIENCE

Senior Technician, Specialist Technology   Brisbane. Australia
Queensland University of Technology   March 2025 - December 2025
- Performed deep-dive investigations on system datasets by leveraging Power BI's filtering capabilities to identify root causes of recurring technical incidents and improve system reliability.
- Consulted with lab coordinators and researchers across multiple areas and faculties to conduct requirements gathering, translating diverse stakeholder needs into the implementation of data-informed IT solutions that optimized research and infrastructure.
- Extracted actionable insights from hardware and deployment metadata to provide leadership with evidence-based recommendations for procurement and resource planning.

Assistant Technology Support Officer (Specialists)   Brisbane. Australia
Queensland University of Technology   July 2024 - December 2024
- Developed a data-driven asset management application using ReactJS and MySQL to centralize hardware metadata; architected the database schema to automate tracking, resulting in a 20% increase in operational efficiency.
- Optimized data capture workflows by integrating barcode scanning and real-time validation, significantly reducing manual entry errors and improving data integrity for over 20+ labs.

Automation Engineer   HCMC. Vietnam
SISTECH Co., Ltd   October 2020 - January 2023
- Managed industrial database connectivity (MS SQL) to ensure the seamless flow of operational data from field systems to central repositories, maintaining high data availability for reporting.
- Developed 15+ interactive visualizations in WinCC to translate real-time system metrics into dashboards, enabling stakeholders to monitor performance and make data-backed decisions.
- Analyzed historical performance logs to identify failure patterns, implementing data-driven process improvements that increased system reliability up to 10% and reduced downtime.
- Streamlined data-collection workflows by optimizing control logic, ensuring more accurate tracking of key performance indicators (KPIs) while eliminating data duplication and preventing gaps in critical logs.

EDUCATION

Master of Information Technology – Data Science   Brisbane. Australia
Queensland University of Technology (QUT) • 6.8/7.0   2024
- QUT Executive Deans' Commendations for Academic Excellence (all terms)

Master of Engineering – Control Engineering and Automation   HCMC. Vietnam
Ho Chi Minh City University of Technology (HCMUT) • 6.0/7.0   2021
- Publication in AETA 2019 - Recent Advances in Electrical Engineering and Related Sciences: Theory and Application

Bachelor of Engineering - Control Engineering and Automation (Honor)   HCMC. Vietnam
Ho Chi Minh City University of Technology (HCMUT) • 6.2/7.0   2018
- Top 3 team of University Innovation Contest with Building Remotely Operated Vehicle for environmental monitoring purposes.

CERTIFICATIONS

B2B Go-to-Market Strategy: How to Transform Your Business, LinkedIn Learning,   December 2025
Databricks Fundamentals Accreditation, Databricks Academy,   November 2025
Practical A/B Testing, LinkedIn Learning,   November 2025
Quantium - Data Analytics Job Simulation, Forage,   May 2025
Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation, Forage, April 2025
Google Data Analytics Professional Certificate, Coursera,   January 2025

PROFESSIONAL AFFILIATIONS & MEMBERSHIPS

- Associated Member, Australian Computer Society (ACS)
- ECA Professional Year – Information Technology (2025-2026)
- QUT Business Analysis and Data Science Club (former Event Coordinator)

REFERENCE

Available upon request