

LIAM WYNNE

AI/DATA ENGINEER

PASSION PROJECT



Search "MVP Vote" on the iOS App Store

Custom mobile app for sports MVP voting using Flutter and Firebase, enhancing user engagement and eliminating spreadsheet tracking.

CONTACT



0431-901-458



liam.alex93@gmail.com



Engadine, Sydney, NSW, Australia



liam-machine

TECH STACK

AWS

dbt

Databricks

Mlflow

GitHub

Power BI

Claude CLI

EDUCATION

University of Wollongong

Masters of Computer Science

Major - AI & Big Data

2018-2020

Distinction

Bachelors of Civil Engineering

2011-2014

First Class Honours

REFERENCES

David Zmood - Data Platform Architect



0475-805-104



David.Zmood@jhg.com.au

Goran Cuca - Quality/Systems Manager



0477-880-022



Goran.Cuca2@jhg.com.au

PROFILE

AI & Data Engineer with a Civil Engineering background and a Master's in Computer Science, specializing in AI and Big Data. I leverage infrastructure experience and technical expertise in automation, machine learning, and data engineering to create AI-driven solutions that enhance efficiency and drive business results. Comfortable coding and communicating technical concepts to stakeholders, I serve as a bridge between teams. Known for my curiosity, adaptability, and ownership, I contribute effectively across both technical and non-technical areas.

WORK EXPERIENCE

AI/Data Engineer

John Holland

2022 - Present

- Designed and implemented full-stack data workflows using AWS, dbt, Databricks, and Power BI, covering ingestion, transformation, modeling, and reporting.
- Modelled data with bronze, silver, and gold architecture for aggregated, scalable datasets.
- Developed high-performance DirectQuery KPI dashboards in Power BI, rolling up metrics from raw operational data to executive-level summaries with minimal latency.
- Automated report measure generation in Power BI using LLMs, improving report maintenance and insight delivery.
- Built CI/CD pipelines with GitHub Actions for dbt and BI deployments, ensuring version control.
- Deployed MLflow pipelines for classification, enabling continuous training and model governance.
- Developed a Retrieval Augmented Generation (RAG) pipeline with vector search on Delta Live Tables for real-time enterprise chatbot responses.
- Created advanced feature engineering and ML pipelines for Tunnel Boring Machine analytics using AWS Glue, SageMaker, and Airflow, transforming raw telemetry into insights.

Systems Engineer

John Holland

2018 - 2022

- Systems Lead for Sydney Gateway Construction Project
- Utilized Microsoft tools: Power Apps, Power BI, Power Automate, SharePoint
- Oversaw system implementation and provided training
- Digitised & automated tasks improving operational efficiency
- Administered quality software (PPW)
- Generated reports and conducted project analysis
- Ensured effective project management and decision-making

Site Engineer

CPB Contractors

2015 - 2018

- Site Engineer on the New M5 WestConnex Stage 2 project
- Managed site office setup, decline excavation, and structural steel installation at Arncliffe.
- Ensured compliance with design specifications and safety standards.
- Handled daily reporting, program updates, and cost forecasting.
- Interfaced with designers, procured materials, and supervised the workforce.