

Tim Tsenguun

Sydney, NSW • 0437214876 • tsenguunpy@gmail.com • linkedin.com/in/tsenguun-tim • https://github.com/TsenguunO

Data Analytics Engineer

AI solution Engineer with strong analytical skills and experience in data cleaning, exploratory data analysis, data visualization, data extraction, data processing, and data modeling. Over the last two years, I have focused on predictive analytics in an academic environment. Actively seeking employment opportunities in data engineering or data analysis roles.

SKILLS

Programming Languages: HTML, Python, SQL

Data Engineering Tools: Docker, FastAPI, FlaskAPI, Git, PySpark

Data Visualization: Power BI, QuickSight, Tableau

Databases: Microsoft SQL Servers, MySQL, PostgreSQL, PostgreSQL

AWS Tools: Athena, Glue, Lambda, RDS, Redshift, S3

Tools: PowerApps, PowerAutomation

WORK EXPERIENCE

Maptek Pty Ltd • Sydney, NSW

Data Analytics Engineer • Full-time

10/2024 - 01/2025

- Improved **QuickSight** dashboards to monitor customer engagement, track user activities, and identify product usage trends.
- Created **Boto3 Python** scripts and **CLI commands** for monitoring QuickSight assets and authors activities
- Developed a **standard naming convention** for consistent asset organization in QuickSight

Rio Tinto, Oyu Tolgoi project

Specialist Data and Systems • Full-time

10/2016 - 01/2022

- Enabled data based decision-making by producing over **100 Key metrics reports and dashboards** in **Tableau and Power BI**
- Improved data governance of key mining systems by developing **standard naming convention**, optimizing data pipelines and data validation scripts and reports
- Developed applications using **PowerApps**, leveraging **Power Automate** to extract information from SharePoint and export it to spreadsheets for streamlined data management.
- Designed and implemented **data pipelines** for the Mine-to-Mill data warehouse, utilizing **Microsoft SQL Server** for data storage and management
- Collaborated with cross-functional teams to implement optimizations in existing **RDS database** queries and reports, enhancing performance and user experience

MCS International LLC

Automation Engineer • Full-time

09/2013 - 06/2015

- Troubleshoot and improve Programmable Logic Controller (**PLC**) of 18-megawatt power plant, heat plant, and water filter plant and increased **EU by 20%**
- Diagnose the problem in **PLC, HMI, SCADA, DCS, and Process instruments** for Industrial Automation
- Increased effective utilization of automatic mode of water pump **by 15-20% by improving reliability** of PLC within 1.5 year

EDUCATION

University of New South Wales (UNSW)

Master in Information Technology - Data Science and Engineering • Sydney, NSW

05/2022 - 06/2024

MUST

Bachelor in Computer Embedded System • Ulaanbaatar, Mongolia

09/2009 - 06/2013

CERTIFICATIONS

AWS Certified Data Engineer Associate 2025 - Hands On!

02/2025 - Present

Udemy

Microsoft Certified Data Analyst Associate

02/2022 - Present

Microsoft

Machine Learning A-ZL Hands-on Python in Data Science

09/2021 - Present

Udemy

SQL (Advanced)

09/2020 - Present

HackerRank