

# DARREN MALIBIRAN

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in darren-malibiran ◇  darren-sm.github.io ◇  darren-sm

## EXPERIENCE

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### Data Engineer/Analyst

Liverecover

July 2024 - present

Remote, Texas US

- Discovered an attribution improvement, leading to a 10%+ increase in commission revenue by accurately tracking conversions
- Identified and resolved a data issue that caused \$50,000 in client overcharges, preserving the company's integrity.
- Automated data workflows across platforms and database with Python scripts and low-code automations using n8n / Retool
- Created interactive dashboards using Retool and managed CubeJS measures for the admin dashboard

### Intern Developer

Department of Information and Communications Technology

June - July 2023

Batangas City

- Developed a Flask web application for centralizing projects data access, management, and analysis
- Worked with Docker for containerization, ensuring consistent development and deployment environments for PostgreSQL and Flask
- Integrated Grafana to create real-time performance review report

## TECHNICAL SKILLS

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### Languages

Python, SQL, R, Javascript

### Automation

Retool Workflows, Apache Airflow, n8n, CustomerIO, Zapier

### Data Visualization

Retool, PowerBI, Looker Studio, Grafana, ggplot2

### Cloud (AWS / GCP)

VM, Lambdas, Storage, Columnar DB, Managed DB

### Developer Tools

Git, Docker, SST, Jupyter Notebook

## EDUCATION

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### Bachelor of Science in Computer Science

Batangas State University - Alangilan

2020 - 2024

GWA: 1.49

## PROJECTS

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### Weather ELT Pipeline

 /Weather-Data-Pipeline

- Extract-Load-Transform (ELT) pipeline for NOAA Integrated Surface Database (ISD), utilizing Apache Airflow for weather data orchestration for 1999-present weather data from 10,000+ stations worldwide

### Open Quake

 /Open-Quake

- Designed and implemented a polling system for more than 50,000 PHIVOLCS earthquake data (2018-present) using Cloud Function that processes and ingests data to the Cloud Storage and BigQuery

### SGX Stock

- Command line application developed using Python that downloads derivatives data from Singapore Exchange with a recovery procedure

## RELEVANT COURSES

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### Cloud

Cloud Foundations (AWS)

Create and Manage Cloud Resources (GCP)

### Cybersecurity

Introduction to Cybersecurity (CISCO)

SCI Fundamentals (Microsoft)

### Data & Analytics

Design Database with PostgreSQL

Business Intelligence Dashboards