

# Ang Wei Jie

## Data Analyst



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## PROFILE

Data analyst with strong analytical and problem-solving skills that excels at identifying business requirements, identifying connections and trend from data sets to generate actionable insights to drive informed decision-making. Equipped with data visualization skills to convey these insights to relevant stakeholders to improve company decision-making. Experienced in project and people management with ability to manage projects and collaborate effectively with diverse teams.

## EMPLOYMENT HISTORY

### System Analyst, UOB (United Overseas Bank)

September 2022 – November 2023

- Coordinated activities with engineering, infrastructure, security and product team for deployment of risk management web application.
- Worked with the data source team to ensure correct data is being cleaned, transformed, delivered and ingested into the application.
- Developed shell scripts for application operations which are scheduled and run through a scheduler (Control-M).
- Facilitated and participated in application testing in SIT, UAT with testing team and end users.
- Set up of user management configuration (function and accessibility of different types of users) for web application.

### Development Engineer, A\*STAR - ARTC (Advanced Remanufacturing & Technology Centre)

August 2019 – June 2022

- Engaged in research with industry partners to address industry issues/gaps/needs for digital factory simulation and digital twin.
- Led project scoping with internal and external stakeholders to establish communication plans, built project schedules and established clear project deliverables and milestones.
- Executed and delivered technical projects/workstreams regarding digital factory simulation and digital twin.
- Designed and simulated digital factory in 3D simulation model.
- Analysed and optimised simulated production line.
- Created digital twin of live physical production line.

## SKILLS

### Data Analytics:

- Data Cleaning
- Data Manipulation
- Predictive Modeling
- Machine Learning Modeling

### Data Visualization:

- Tableau

### Database:

- Oracle
- PostgreSQL

### 3D Simulation & Modeling:

- Siemens Tecnomatix
- Siemens NX
- Solidworks
- Emulate3D

### Programming:

- Python
- Shell-scripting (Linux)

### Microsoft (Words, Excel, PowerPoint)

### Project Management

## LANGUAGES

- English
- Chinese

## CERTIFICATIONS

### Certificate in Data Analytics, Career Foundry.

- Attained in September 2024

### User Experience Design Bootcamp (IBF-STSP210802XCG), Vertical Institute.

- Attained in August 2022

### Develop a Risk Management Implementation Plan (MF-COM-402E-1), ASRETEC PTE. LTD.

- Attained in October 2020

### Programme Management (ICT-PMT-3002-1.1), EPM Training Services PTE. LTD.

- Attained in March 2020

## PROJECTS

### Influenza Death Analysis of United States

- Cleaned and analyze historical data from CDC dataset to identify trends in the Influenza outbreak in United States.
- Built Tableau dashboards to present trends found and recommended a staffing plan for the upcoming Influenza season.
- Applications used for project:
  - ✓ Excel
  - ✓ Tableau

### Video & Customers Analysis of Video Rental Company

- Conducted an SQL data analysis on the company database to provide the management with insights on their current customer base.
- Performed data cleaning and data extraction from database using CTE and subqueries to group and gather required data for analysis.
- Generated visualization to present to stakeholders regarding their customer base and recommendations on how to improve their business strategies.
- Applications used for project:
  - ✓ Excel
  - ✓ Tableau
  - ✓ PostgreSQL

### Consumer Behavior Analysis of Online Grocery Store

- Carried out an analysis on Instacart customer's dataset to extract insights on customers behaviors and sales pattern.
- Produced visualization to present to stakeholders to answer their question regarding customer behaviors and customer segmentations.
- Gave recommendations on how to improve their marketing and segmentation strategies.
- Application used for project:
  - ✓ Excel
  - ✓ Python

## EDUCATION

### Bachelor's Degree in Mechanical Engineering

Nanyang Technological University, Singapore  
(Aug 2016 – Jun 2019)

- GPA: 4.69/5.00
- Graduated with First Class Honours

### Diploma in Aerospace Technology with Minor in Business Management

Ngee Ann Polytechnic, Singapore  
(Apr 2011 – May 2014)

- GPA: 3.94/4.00
- Graduated with Merit (Top 10% of Cohort)