

YU-TING WENG

Phone: (+886)930-509-936 | Email: jessicaweng91717@gmail.com | [Linkedin](#) | [Github Page/ Portfolio](#)

EXPERIENCE

Sintrones Technology Corporation

Taipei, Taiwan

Business Intelligence Developer

September 2024 - Present

- **Designed and automated Power BI dashboards and semantic models** integrating Oracle and Tiptop ERP data, delivering standardized, governance-aligned business metrics through SQL-based views while reserving analytical calculations for DAX to support decision-making for 30+ users
- **Developed and customized ERP functionality and data logic**, including SQL modification and validation, field and UI additions/removals, and database write-back to align transactional data with defined business rules
- **Performed root-cause analysis to resolve data discrepancies** across ERP and reporting layers, and **built Python-based web scraping and ETL pipelines** to standardize data inputs and streamline reporting workflows
- **Led applied LLM research and prototyping** to support R&D workflows by exploring intelligent document retrieval and question-answering solutions to improve access to technical knowledge

Anti Human-Trafficking Intelligence Initiative

Chicago, IL

Pro Bono Data Analyst

March 2024 - June 2024

- Collaborated with the scraping team to define data storage requirements for each scraper and designed a robust MySQL schema
- Developed Python scripts to build efficient data pipelines, ensuring seamless SQL database connections, real-time logging, and streamlined querying for further analysis

University of Chicago Data Science Institute

Chicago, IL

Data Analyst Intern – Client: WBEZ Chicago

January 2024 - March 2024

- Executed data cleaning and preprocessing on a 12GB SQLite database, querying and extracting key features for advanced analysis
- Collaborated with a team of four to develop and deploy two interactive web applications, using *GeoPandas* and *Plotly* to visualize county-level traffic stop patterns and highlight demographic disparities, aiming to enhance public awareness of racial disparities

University of Chicago Harris School of Public Policy

Chicago, IL

Teaching Assistant - Statistics for Data Analysis, and International Trade

September 2023 - December 2023

- Evaluated assignments for 400+ students, provided tailored feedback to enhance comprehension of international trade principles, statistical methodologies, and proficiency in R coding, and impacted over 10% of the student body through dedicated office hours

Taipei City Government

Taipei, Taiwan

Section Assistant - Taipei City Market Administration Office

November 2020 - August 2022

- Supervised operation of 3 public markets with a total of 424 stalls, orchestrated strategic modernization planning, involving facility upgrades and promotion of food hygiene practices, and secured prestigious 4-star market award for Shuiyuan Market
- Mediated government-vendor communication, coordinated meetings with public officials, elected representatives, and private stakeholders, and successfully reignited the Hebin Market reconstruction project after a 6-month standstill
- Mitigated COVID-19 outbreak by establishing contact tracing system and assisted markets in achieving 98% full vaccination rate

EDUCATION

University of Chicago Harris School of Public Policy

Chicago, IL

Master of Public Policy (STEM), Certificates on Data Analytics

June 2024

Relevant Coursework: Python, Data Visualization, GIS Applications, Machine Learning, Deep Learning, Big Data

National Taiwan University

Taipei, Taiwan

B.A. in Economics and B.A. in Foreign Languages and Literature

June 2019

SKILLS

BI & Visualization: Power BI, Tableau, FineBI, Qlik Sense, SAP BO WebI
Web & UI: HTML, CSS

AI & Automation: LLM (requirement research, workflow integration)

Programming & Data: Python, SQL, R
Systems: Tiptop ERP, BPM System