

Cheng An Wang

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SUMMARY

M.S. Data Science student at Illinois Tech skilled in Python, SQL, and statistical modeling. Experienced in machine learning, data analysis, and dashboard design, with a strong ability of verbal and written communication skills to translate complex data into actionable insights and collaborate across teams to drive business outcomes.

EDUCATION

Illinois Institute of Technology - Master of Science in Data Science, Expected 2027

(Dual Degree) Metropolitan State University - B.S. Business Administration, 2022 GPA: 3.5/4.0

Tamkang University - B.S. in Information Technology, 2022 GPA: 3.5/4.0

SKILL

- Programming Languages: Python, R, SQL
- Statistical Modeling: Regression, A/B testing, hypothesis testing
- Machine learning: classification, regression, model evaluation, feature engineering, TensorFlow / Keras
- BI & Analytics: Python (Matplotlib), Tableau, Excel, Power BI
- Data: AWS Redshift, AWS Glue, Python (Pandas, NumPy, scikit-learn, PyTorch)

WORK EXPERIENCE

BTSE Exchange, Data Analyst (Feb 2025 – July 2025), Taipei

- Built and validated rule-based fraud-scoring models, processing and analyzing millions of records to identify risky users, optimize incentives, and reduce promo spend by 25% while confirming ~70% vendor accuracy
- Facilitated communication across Payments Ops, Operations, and Data teams, translating business needs into actionable data tasks and decreasing 3-4 rounds of clarification per project
- Spearheaded design of data dashboards (Sheets/Tableau) with Payments & Biz Ops. Achieved 80% adoption, eliminated 14 hrs/week of manual analysis, and improved reporting efficiency

TAITRA, Data Engineer (Sep 2024 – Feb 2025), Taipei

- Collaborated with another data engineer to deliver a data visualization through a Power BI data mart, enabling self-service analytics through core fact/dimension tables and reducing ad-hoc requests by ~10 hrs/week

AXV LLC, Data Engineer (Aug 2023 – Aug 2024), remote

- Led two Splunk training sessions for over 40 client employees, consulting on client needs and customizing data dashboards to monitor key metrics and support data-driven decisions within an Agile project framework.

Dance Club Leader (Aug 2021 – Aug 2022), Taipei

- Led 4 public performance show and manage over 100 members, and got 4 business performances

PROJECTS

Amazon Review Value Ranking and Trusted Feedback Mining, Owner (Nov 2025 – Now), Chicago

- Built and validated a logistic-regression model with cross-validation and statistical testing to predict high-value Amazon reviews using text and behavioral features with 200k+ data; evaluated with ROC-AUC, PR-AUC, and NDCG@10, improving ranking relevance and trusted-feedback detection through statistical testing