Jia-Zhen Zou

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Experience

Xiang Shang Games Co., Ltd. (Member of Xiang Shang Group) Taichung, Taiwan
Test Engineer (QA) Quality Assurance Department 2025/08 - 2026/03

- Managed testing activities for 1 AI tool project and 4 game projects, covering Web, App, and API functional and performance testing. **Executed 300+ test cases daily** and submitted **20+ bug reports per day**. Reviewed PRDs and raised **100+ requirement-related questions**, with over **80%** resulting in requirement revisions or clarified acceptance criteria. Developed a ClickUp testing dashboard to improve cross-functional communication and reduce issue confirmation time by approximately **30%**. Optimized test execution and leveraged generative AI to reduce urgent testing time by **3.5 hours per task** and test preparation time by approximately **30%**.

National Taichung University of Science and Technology Taichung, Taiwan
Applied Statistics Teaching Assistant(TA) Department of Applied Statistics 2018/09 - 2025/05

- Migrated 48 Minitab exercises into Python (Pandas, NumPy, Statsmodels, Matplotlib)—reducing analysis time by 37% and enabling 48-hour feedback—while grading 500+ assignments and holding 5+ one-on-one sessions, boosting average grades by 15%.

Publication

P1 **Study and Forecast of Cases of Flu and Their Complications**
Jia-Zhen Zou, Jau-Chuan Ke, Yu-Hung Chien et al.
Journal of the Chinese Statistical Association (JCSA), 2021

Awards (see more details: kasazou.me)

First Place, 2024 TBIA Dataathon Biodiversity Research Center, Academia Sinica 2024

- **Watch your back**—Processed 40K records into 500+ high-quality data and delivered a dashboard within 7 days, earning 1st place (Python, Tableau)

Second Place, Project Competition (see P1) Applied Statistics, NUTC / NTCUST 2020

- **Flu Time Series Forecast**—Built ARIMA/SARIMA and Holt-Winters models on 655 weeks of CDC data, achieving MAPE < 10% (Python).

Certifications

Artificial Intelligence Literacy - Specialist	GLAD	2024
MOEA Certified Big Data Analyst - Associate Level	iPAS	2021
Certificate of Statistic Analysis - Outstanding Award	CASA	2021

Skills

Technologies: Python (primary), SQL, R (basic), HTML/CSS, Gen AI
Tools: ETL & Data Processing (Pandas, NumPy, Requests), Statistical Analysis (Statsmodels, SPSS, Minitab), Machine Learning (Scikit-learn, PyTorch), Data Visualization (Tableau, Power BI, Matplotlib), Excel, API Testing (Postman, Talend API Tester), Test Automation (Selenium, Quick Macro), Version Control (Git, GitHub), Project Management (ClickUp, Notion), Generative AI Tools.
Knowledge: Time Series Forecasting, Statistical Machine Learning, Data Visualization, Software Testing
Languages: Chinese (native), English

Education

National Taichung University of Science and Technology (NUTC / NTCUST) Taichung, Taiwan
M.S. in Computer Science and Information Engineering (leave of absence) 2025
National Taichung University of Science and Technology Taichung, Taiwan
B.B.A. in Applied Statistics 2021