Pin-An, Lee

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EDUCATION

National Taiwan University   **2024 –**

Master's Degree in Information Management Department(IM), Distributed Information System Lab

National Cheng Kung University   **2020 – 2024**

Bachelor's Degree in Industrial and Information Management (IIM),

PROFESSIONAL SUMMARY

I'm a first-year Master's student in Information Management at NTU, with a strong ability to learn fast and solve problems. Passionate about software development, data analysis, and AI, I often take on leadership roles and thrive in collaborative environments.

SKILLS

Programming: Python, C++

Statistic Tools: R, STATA, Excel VBA

Frameworks & Libraries: React.js, Next.js, Pytorch, PyQt

Cloud Support: Google GCP, AWS cloud, Docker

Others: PostgreSQL, Optimization Algorithm, Git, Locust

AWARDS AND ACHIEVEMENT

● 2024 ORSTW - Best paper awards

● TOEIC 895

● Pershing Techathon - Honorable Menton

PROJECTS

Firefighter Mobility Optimization with Fuel Management   **2022/9 – 2023/9**

● Developed an interactive simulator using **PyQt GUI package**, enabling real-time visualization of firefighting strategies.

● Implemented **genetic algorithms** to optimize firefighter movement while considering fire spread dynamics, node values, and resource constraints.

#Python   #Heuristic algorithm

MLB Team Win-Loss Prediction – NTU Hsuan-Tien Lin's Machine Learning Project   **2024/10 – 2024/12**

● Applied MICE and KNN imputation for handling missing numerical and categorical data.

● Implemented label encoding, one-hot encoding, and autoencoder-based encoding for categorical variables.

● Conducted feature selection using Random Forest, Lasso, and Chi-squared tests.

● Built predictive models with Logistic Regression, SVM, GBDT, and MLP, optimizing team win-loss predictions.

#Machine Learning   #Data Analysis