

# Curriculum Vitae

## Lo Pang-Yun Ting

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### EDUCATION

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| Sep. 2020 – Jul. 2025<br>(GPA: 4.3 / 4.3) | <b>Ph.D. of Computer Science and Information Engineering, National Cheng Kung University, Taiwan</b> <ul style="list-style-type: none"><li>◆ Work on research into RL-assist RAG for LLMs.</li><li>◆ Collaborate with <u>NXP Semiconductor</u> to research on IC defect type detection and IC task assignment.</li><li>◆ Collaborate <u>NCKU hospital</u> on wearable device-based detection of patient deterioration.</li><li>◆ Collaborate with <u>Tokyo Electric Power Company, Azbil Corporation</u> to conduct the research project of water leakage and electricity anomaly detection.</li><li>◆ Collaborate with <u>NextDrive</u> to research on EV charging control.</li></ul> |
| Aug. 2023 – Jan. 2025                     | <b>Visiting Scholar of Computer Science and Engineering, Arizona State University, US</b> <ul style="list-style-type: none"><li>◆ Work in <u>Prof. Huan Liu's</u> laboratory and research on early detecting clinical deterioration and on EV charging control.</li></ul>  |
| Oct. 2019-Jul. 2020                       | <b>Exchange Student of Graduate School of Information Sciences, Tohoku University, Japan</b> <ul style="list-style-type: none"><li>◆ Work in <u>Prof. Nei Kato's</u> laboratory and research on the telecommunications network.</li></ul>  |
| Sep. 2017-Jun. 2019<br>(GPA: 4.3 / 4.3)   | <b>Master of Computer Science and Information Engineering, National Cheng Kung University, Taiwan</b> <ul style="list-style-type: none"><li>◆ Collaborate with Taiwan <u>Junyi Academy</u> to analyze activity logs in E-learning platforms to assist students' studies and careers.</li></ul>   |
| Sep. 2013-Jun. 2017<br>(GPA: 3.81 / 4.3)  | <b>Bachelor of Computer Science and Information Engineering, National Cheng Kung University, Taiwan</b>  |

### EXPERIENCE

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| <b>Visiting Scholar</b>  | <b>Arizona State University, US</b> | Aug. 2023 – Jan. 2025 |
| ◆ Work in <u>Prof. Huan Liu's</u> lab and research on early detecting clinical deterioration and on EV charging control. |                                     |                       |
| <b>Exchange Student</b>  | <b>Tohoku University, Japan</b>     | Oct. 2019-Jul. 2020   |
| ◆ Work in <u>Prof. Nei Kato's</u> laboratory and research on the telecommunications network.                             |                                     |                       |

### RESEARCH AREA

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- ◆ Data mining, artificial intelligence
- ◆ knowledge graph embedding, reinforcement learning, time series analysis, social network analysis, recommendation system)

### AWARDS / SCHOLARSHIP

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- ◆ Honorary member of the Phi Tau Phi Scholastic Honor Society of Taiwan (2025)
  - ◆ Graduate Student Study Abroad Program (GSSAP) fully funded scholarship (2023)
  - ◆ Honorary member of the Phi Tau Phi Scholastic Honor Society of Taiwan (2020)
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## PUBLICATION LIST

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### International Journal

- ◆ **Lo Pang-Yun Ting**, You-Cheng Guo, Chi-Chun Lin, Shih-Hsun Lin and Kun-Ta Chuang (2025). “MAC-DP: multi-agent control for dynamic placement of electric vehicle charging stations”. *International Journal of Data Science and Analytics*, **JDSA 2025**. (Impact Factor 2023: 3.4)
- ◆ **Lo Pang-Yun Ting**, Huan-Yang Wang, Jhe-Yun Jhang and Kun-Ta Chuang (2024). Online Spatial-Temporal EV Charging Scheduling with Incentive Promotion. *ACM Transactions on Intelligent Systems and Technology*, **ACM TIST 2024**. (Impact Factor 2023: 7.2)
- ◆ **Lo Pang-Yun Ting**, Rong Chao, Chai-Shi Chang and Kun-Ta Chuang. (2024). An Explore–Exploit Workload-Bounded Strategy for Rare Event Detection in Massive Energy Sensor Time Series. *ACM Transactions on Intelligent Systems and Technology*, **ACM TIST 2024**. (Impact Factor 2023: 7.2)
- ◆ **Lo Pang-Yun Ting**, Shan-Yun Teng, Szu-Chan Wu and Kun-Ta Chuang. (2022). Interactive planning of revisiting-free itinerary for signed-for delivery. *International Journal of Data Science and Analytics*, **JDSA 2022**. (Impact Factor 2023: 3.4)
- ◆ Shan-Yun Teng, **Lo Pang-Yun Ting**, Mi-Yen Yeh and Kun-Ta Chuang (2019). Worship prediction: identify followers in celebrity-dived networks. *World Wide Web*, **2019**. (Impact Factor 2023: 2.7)

### International Conference

- ◆ **Lo Pang-Yun Ting**, Yu-Hao Chiang, Yi-Tung Tsai, Hsu-Chao Lai, Kun-Ta Chuang (2025). DeCo: Defect-Aware Modeling with Contrasting Matching for Optimizing Task Assignment in Online IC Testing. *International Joint Conference on Artificial Intelligence*, **IJCAI 2025** (*just accepted*). (acceptance rate 18%)
- ◆ **Lo Pang-Yun Ting**, Hong-Pei Chen, An-Shan Liu, Chun-Yin Yeh, Po-Lin Chen, Kun-Ta Chuang (2025). Early Detection of Patient Deterioration from Real-Time Wearable Monitoring System. *International Joint Conference on Artificial Intelligence*, **IJCAI 2025** (*just accepted*). (acceptance rate 18%)
- ◆ **Lo Pang-Yun Ting**, Hua-Cheng Cheng, Yu-Hua Zeng, Kun-Ta Chuang (2025). Hypergraph-Enhanced Kernel Initialization for Convolutional LSTM Networks: Insights from Asset Correlation Forecasting. **PAKDD 2025** (*just accepted*). (full paper, acceptance rate 134/696=19%)
- ◆ Hsu-Chao Lai, Po-Hsiang Fang, Yi-Ting Wu, **Lo Pang-Yun Ting**, Kun-Ta Chuang (2024). A Confidence-Based Power-Efficient Framework for Sleep Stage Classification on Consumer Wearables. *IEEE BigData 2024*. (regular paper, acceptance rate 18.8%)
- ◆ **Lo Pang-Yun Ting**, Yu-Hao Chiang, Yu-Hsiang Chang, Michihiro Konagai and Kun-Ta Chuang. (2025). Optimized Battery Controlling for Smart Homes with Dynamic Insensitive-Zone Adjustment. *IEEE GCCE 2024*.
- ◆ Yu-Hsiang Chang, **Lo Pang-Yun Ting**, Wei-Cheng Yin, Ko-Wei Su and Kun-Ta Chuang (2024). Adaptive Knowledge Sharing in Multi-Task Learning: Insights from Electricity Data Analysis. *PAKDD workshop 2024*.
- ◆ **Lo Pang-Yun Ting**, Chi-Chun Lin, Shih-Hsun Lin, Yu-Lin Chu and Kun-Ta Chuang (2024). Multi-agent Reinforcement Learning for Online Placement of Mobile EV Charging Stations. **PAKDD 2024**. (oral presentation, acceptance rate 19%)
- ◆ Rong Chao, **Lo Pang-Yun Ting** and Kun-Ta Chuang (2022). Online Water Usage Monitoring under Anomalous Interference in Residential Households. *TAAI 2022*.
- ◆ **Lo Pang-Yun Ting**, Po-Hui Wu, Hsiu-Ying Chung and Kun-Ta Chuang (2022). An incentive dispatch algorithm for utilization-perfect EV charging management. **PAKDD 2022**. (acceptance rate=19.3%, out of 627 submissions)

- ◆ **Lo Pang-Yun Ting**, Po-Hui Wu, Jhe-Yun Jhang, Kai-Jun Yang, Yen-Ju Chen and Kun-Ta Chuang. (2021). Boosting Latent Inference of Resident Preference from Electricity Usage-A Demonstration on Online Advertisement Strategies. Big Data Analytics and Knowledge Discovery, *DaWak 2021*.
- ◆ **Lo Pang-Yun Ting**, Tiago Koketsu Rodrigues, Nei Kato and Kun-Ta Chuang, (2020). Prediction of network traffic load on high variability data based on distance correlation. IEEE Vehicular Technology Conference, *IEEE VTC Fall 2020*.
- ◆ **Lo Pang-Yun Ting**, Shan-Yun Teng, Kun-Ta Chuang and Ee-Peng Lim. (2020). Learning personal conscientiousness from footprints in e-learning systems. IEEE International Conference on Data Mining, *IEEE ICDM 2020*. (triple-blind review, short paper, acceptance rate=19.7% out of 930 submissions)
- ◆ **Lo Pang-Yun Ting**, Shan-Yun Teng, Suhang Wang, Kun-Ta Chuang and Huan Liu. (2020). Learning latent perception graphs for personalized unknowns recommendation. IEEE International Conference on Cognitive Machine Intelligence, *IEEE CogMI 2020*.
- ◆ Shan-Yun Teng, Jundong Li, **Lo Pang-Yun Ting**, Kun-Ta Chuang and Huan Liu (2018). Interactive unknowns recommendation in e-learning systems. IEEE International Conference on Data Mining, *IEEE ICDM 2018*. (triple-blind review, full paper, acceptance rate=8.86% out of 948 submissions)
- ◆ **Lo Pang-Yun Ting**, Cheng-Te Li and Kun-Ta Chuang. (2018). Predictive team formation analysis via feature representation learning on social networks. *PAKDD 2018*. (blind review, acceptance ratio  $105/590=17\%$ )