

Cheng-Yen Li

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About

Experienced in machine learning and data science with proven track record in research and implementation. Demonstrated expertise through multiple published papers and industry collaborations. Seeking Software Engineering, Machine Learning, and Firmware Development roles.

Education

National Taiwan University, MS in Data Science, College of Electrical Engineering and Computer Science Sep 2024 – Present

- MIRLAB (Multimedia Information Retrieval Lab)
- GPA: 3.93/4.3
- **Courses:** Machine Learning, Information Retrieval and Extraction, Computer Vision Practice with Deep Learning
- **Ongoing Courses:** Natural Language Processing, High-Performance Big Data and Artificial Intelligence Systems

Soochow University, BS in Data Science Sep 2020 – June 2024

Projects

Collect dialysis clinical data and establish a model of chronic kidney disease Sep 2024 - Present

- Developing an end-to-end monitoring system for predicting Intradialytic Hypotension risk in dialysis patients, optimizing and balancing True Positive Rate and True Negative Rate to achieve optimal clinical effectiveness. A version of this system has already been deployed in the hospital.
- Collaborated with National Taiwan University Hospital

Revenue forecasting based on machine learning techniques Nov 2023 - Dec 2024

- Applying ML techniques with expert forecasts for 6-month revenue prediction, achieving 1.5x performance improvement when incorporating expert input for the upcoming month.
- Collaborated with MediaTek Inc.

Publications

Establishment of an Automatic Crop Classification and Disease Detection System: Applied to Apple and Tomato Disease Detection 2024

Ming-Hsiang Su, *Cheng-Yen Li*

Journal of Advanced Technology and Management

Named Entity Recognition for Chinese Healthcare Applications 2023

Cheng-Yen Li, Ming-Hsiang Su, Matus Pleva, Daniel Hládek, Yuan-Fu Liao

IEEE ICCE-TW 2023

Deep Learning Technology and Ensemble Modeling for Text-Based Personality Trait Detection 2023

Cheng-Yen Li, Ming-Hsiang Su

2023 DLT Digital Life Technology Conference

Technologies

Skills: Machine Learning, Deep Learning, Data Science, NLP, CV

Languages: Python, C, SQL