

# Cheng-Jun Kang



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## EDUCATION

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- **National Cheng Kung University (NCKU)** **Tainan, Taiwan**
  - *M.S. in Institute of Data Science* *Feb. 2025 – Present*
    - **Advisor:** Prof. Chih-Chung Hsu
    - **Research Area:** Computer Vision, Deep Learning
  - **Fu Jen Catholic University (FJCU)** **New Taipei City, Taiwan**
    - *B.S. in Department of Statistics and Information Science* *Sep. 2019 – Jun. 2023*
      - **Advisor:** Prof. Hao-Chiang Shao

## RESEARCH EXPERIENCE

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- **Institute of Data Science, National Cheng Kung University** **Tainan, Taiwan**
  - *Adjunct Research Assistant* *Jul. 2024 – Jan. 2025*
    - **Advisor:** Prof. Chih-Chung Hsu
    - **Research Focus:** Computer Vision, Hyperspectral Imaging, Defect Detection

## PUBLICATIONS

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### CONFERENCE PUBLICATIONS

- [1] **Cheng-Jun Kang**, Jin-Hui Jiang, Yu-Fan Lin, Chih-Chung Hsu, “EAGLE-ReID: Strategic Alignment and Delta Consistency for Extreme Far-Distance Aerial-Ground Re-Identification”. In *1st WACV Workshop on VReID-XFD: Video Based Human Recognition at Extreme Far Distances* (WACV Workshop) (Tucson, Arizona, USA, 2026, Accepted)
- [2] Chia-Ming Lee, Bo-Cheng Qiu, **Cheng-Jun Kang**, Yi-Hsuan Wu, Jun-Lin Chen, Yu-Fan Lin, Yi-Shiuan Chou, Chih-Chung Hsu, “Anchoring Trends: Mitigating Social Media Popularity Prediction Drift via Feature Clustering and Expansion”. In *Proceedings of the 33rd ACM International Conference on Multimedia* (ACM MM) (pages 14094–14100, 2025)
- [3] Chih-Chung Hsu, Chia-Ming Lee, Po-Tsun Yu, **Cheng-Jun Kang**, Chun-Hung Sun, Kuang-Ming Wu, “Progressive Alignment with VLM-LLM Feature to Augment Defect Classification for the ASE Dataset”. In *IEEE International Conference on Consumer Electronics* (ICCE) (Las Vegas, NV, USA, 2025)

### PREPRINTS

- [1] Chia-Ming Lee, **Cheng-Jun Kang**, Ching-Heng Cheng, Yu-Fan Lin, Yi-Shiuan Chou, Chih-Chung Hsu, Fu-En Yang, Yu-Chiang Frank Wang, “AuroraHSI: Degradation-agnostic Hyperspectral Image Fusion Transformer via Mask-guided Information Sharing and Compensation”. *Preprint 2025*
- [2] Yu-Fan Lin, Ching-Heng Cheng, Bo-Chen Qiu, **Cheng-Jun Kang**, Chia-Ming Lee, Chih-Chung Hsu, “Self-supervised Fusarium Head Blight Detection with Hyperspectral Image and Feature Mining”. *arXiv preprint arXiv:2409.00395 2024*

## RESEARCH PROJECTS

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- **Analysis and Development Trends of Generative AI Technology** **Industrial Technology Research Institute**
  - *Research Report* *Sep. 2024 – Dec. 2024*
    - **Advisor:** Prof. Chih-Chung Hsu
    - Conducted comprehensive analysis on generative AI technology trends and developments
  - **A Large Scale Whitebait Dataset for Long-tailed Distribution** **Fu Jen Catholic University**
    - *Image Classification and Domain Adaptation* *Jun. 2022 – Dec. 2022*
      - **Advisor:** Prof. Hao-Chiang Shao
      - **Collaboration:** Joint project with Institute of Fisheries Science, National Taiwan University
      - Developed dataset and methods for long-tailed distribution image classification

## HONORS AND AWARDS

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- **The Third Prize, VReID-XFD Workshop** **Jan. 2026**
  - *IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)*
    - Video-based Human Recognition at Extreme Far Distances
- **The First Prize, AI for Agriculture 2024 Competition** **Dec. 2024**
  - *International Conference on Pattern Recognition (ICPR)*
    - Automated Crop Disease Diagnosis from Hyperspectral Imagery

## CERTIFICATES & SKILLS

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- **TOEIC Golden Certificate**
  - *Score: 900 (Listening: 465, Reading: 435)*
- **Programming Languages:** Python, R, SQL