Chen Yun (Ruby)

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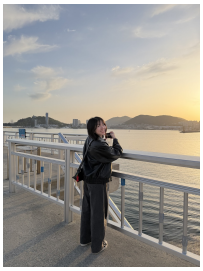
therealchenyun.github.io Google Scholar



EDUCATION

03.2024 – Present
Integrated M.S.–Ph.D. Program in Electrical Engineering, KAIST
Advisor: Prof. Munchurl Kim (VIC Lab)
Video and Image Computing Lab — Daejeon, South Korea

2019 – 2020
M.S. in Electrical Engineering, City University of Hong Kong
Thesis: *Grading for Prostate Cancer with Deep Learning*
Multimedia Information Technology — Hong Kong

2015 – 2019
B.S. in Information Engineering, Southeast University
Thesis: *Research on Neural Network Compression Method*
School of Information Science and Engineering — Nanjing, China

WORK EXPERIENCE

2020 – 2023
Assistant R&D Engineer, AI Center, China Medical University Hospital
Machine-learning systems for clinical decision support, deployed in hospital practice
Taichung, Taiwan

RESEARCH PUBLICATIONS

International Conferences

1. A. Gunawan*, S. Teodoro*, **Y. Chen**, S. Y. Kim, J. Oh†, and M. Kim†, "OmniText: A training-free generalist for controllable text-image manipulation," in *International Conference on Learning Representations (ICLR)*, Apr. 2026, *Equal contribution, †co-corresponding authors.

Preprints

2. S. Teodoro, **Y. Chen**, A. Gunawan, S. Y. Kim, J. Oh, and M. Kim, "MotionGrounder: Grounded multi-object motion transfer via diffusion transformer," in *arXiv preprint*, Apr. 2026.
3. J. Do, **Y. Chen**, G. Youk, and M. Kim, "Less is more: Decoder-free masked modeling for efficient skeleton representation learning," in *arXiv preprint*, Mar. 2026.

Under Review

4. **Y. Chen***, J. Do*, and M. Kim, "MotionTok: What makes a good motion tokenizer for motion generation?" In *Under review*, Jul. 2026, *Equal contribution.
5. J. Do, **Y. Chen**, and M. Kim, "One for all: A generalist foundation model for cross-sensor skeleton representation learning," in *Under review*, Jul. 2026.

Domestic Conferences

6. **Y. Chen**, J. Do, and M. Kim, "Skeleton aware augmentation for skeleton representation learning," in *Korea Institute of Broadcast and Media Engineers (KIBME) Workshops*, Jun. 2026.
7. S. Teodoro, **Y. Chen**, and M. Kim, "Attention modulation for improved textual alignment in motion transfer," in *Korea Institute of Broadcast and Media Engineers (KIBME) Workshops*, Dec. 2025.

RESEARCH PROJECT EXPERIENCE

2021 – 2023
AI Software for Sepsis Detection and Mortality Prediction (CMUH)
ML-based sepsis detection and mortality prediction; deployed at CMUH via the antibiotics platform "i.A.M.S"
2022 YOUNG Awards Champion · SNQ Bronze Medal · NHQA Honorable Mention

2023
Bone Age Estimation from Hand X-ray Images (CMUH)
Deep-learning models for pediatric bone-age estimation

2020 – 2023
Clinical Risk-Prediction Models (CMUH)
Ward early-warning, bacteremia risk, and pediatric UTI prediction

PATENTS

Artificial Intelligence Assisted Medical Diagnosis Method for Sepsis and System Thereof
Taiwan patent application, with China Medical University Hospital

HONORS & AWARDS

2023 **Minor Merit & Commendation**, China Medical University Hospital
2022 **YOUNG Awards** — Smart Application, Champion
2022 **Symbol of National Quality (SNQ)** — Bronze Medal
2022 **National Healthcare Quality Award (NHQA)** — Honorable Mention, Intelligent Medical Solution Group
2016 – 2017 **Outstanding Member**, Student Backbone Training Camp, Southeast University
2015 – 2017 **Award for Excellence in Social Work** (2015–2016, 2016–2017)
2015 – 2016 **Scholarship** for Taiwan, Hong Kong, Macao and Overseas Chinese Students

LEADERSHIP & ACTIVITIES

2015 – 2018 **President; Head of Administrative Department**, Taiwan Cultural Communication Association, SEU
2015 – 2017 **Assistant to the Chairman**, Student Association Union, SEU
2016 **Volunteer**, Ping An Ah Fu Vagrant Animal Rescue Center

SKILLS

Languages **Chinese** (Native), **English** (IELTS 7.5), **Korean** (TOPIK Level 5)
Coding **Python**, **PyTorch** (Proficient)