

Personal Information	Name : Yong-Xiang (Ryan) Chang Birthday : 2004/05/06 E-mail : ryan2004006@gmail.com	Contact number : +886 968412637 LinkedIn : www.linkedin.com/in/yong-xiang-chang-5b9909288 GitHub : https://github.com/Atypical281795
Education	Chung Shan Medical University Department of Medical Informatics	Taichung, Taiwan Sep.2022-June.2026
Work Experience		
AI Software Engineer Intern, Industrial Technology Research Institute	• Define task for Capsule Endoscopy using image enhancement AI method. • Operate and train with HVI-CIDNet strategy to fix low-light image enhancement. • Check on VLMs and deploy for classified the motivation task.	Mar.2025-Aug.2025
Database System Analysis and Design Teaching Assistant, Chung Shan Medical University	• Pre-class review and presentation each class. • Assign after-class exercises and review them in detail.	Mar.2025-Jun.2025
Technical Summer Intern, IdeaBus	• Develop smart watche and transmit monitoring data back to internal. • Smart watch software UI design and deployment.	July.2024-Aug.2024
Leadership Experience		
Glows.ai 1st Campus Ambassador, technical group leadership	• Planning technical workshop. (LLMs, cloud service within up to 80 attendees) • Demo use Jenus 1.3B model with Glows.ai platform to show generating steps. • Served as technical group leader, promoting cloud service and AI project strategy.	Dec.2024-Jun.2025
General Affairs for Medical Informatics Student Association Department	• Participate in and lead all activities organized by the society. • Responsible and record for deciding revenue and expenditure strategies.	Sep.2024-Jun.2025
Skills	• Programming language : Python, C/C++, Java • Deep Learning Framework : Pytorch, Tensorflow, Keras • Data Analysis Tool : Matplotlib, OpenCV, Numpy, SciPy, Excel • Data visualize : Power BI, Python Package • Front/Back End : HTML5, CSS, JavaScript, MySQL, MSSQL, PHP, Flask	
Published Paper		
EURASIP Journal on Audio Speech and Music Processing 2025(SCIE paper, IF=1.9)		
Entropy-based Steganography and Compression for Audio Signals in Network Transmission		
Author : Shou-Tsung Chen, Shu-Yi Tu, Che-Cheng Liu, Jasper Wu, <u>Yong-Xiang Chang</u> , Yi-Ju Lin, Yun-Peng Zhang, Ren-Jie Ye		
2025 Taiwan Conference on Software Engineering(SEAT conference, oral presentation)		
Educational Assistive Voice Chatbot for Nursing Internship		
Author : Che-Cheng Liu, <u>Yong-Xiang Zhang</u> , Shou-Tsung Chen		
2023 International Conference on Fuzzy Theory and Its Applications(IEEE conference, oral presentation)		
Cognitive-Inclusive Communication: An Integrated Text and Graphics Generator for Improved Readability		
Author : <u>Yong-Xiang Zhang</u> , Pei-Xin Ye, Chiun-Li Chin, Guan-Tsen Liu, Su-Juan Chen, Zhong-Ting Zheng, Geng-Kai Wong, Pei-Hsin Chang, Zhe-Cheang Liu, Pei-Chen Huang		
Competition		
Name of the competition	Division	Ranking
2024 National College Smart Innovation and Cross-domain Integrated Creation Competition	Digital Sustainability	Excellent work
2023 Sustainability Hackathon	Intelligent Symbiosis	First Place
	Flip Home Service	First Place
	Electronics	Second Place
2023 National Electronic Design Creative Competition	Information and Communications	Third Place
	Smart Big Data and Mobile App	Excellent work