

Chen-Yu Hu

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Education

Institute of Science Tokyo (formerly Tokyo Institute of Technology) M.S. in Computer Science	Apr 2025 – Mar 2027 (expected)
• Intelligent Robot Dialogue Laboratory (Yoshino Lab)	
Tokyo Institute of Technology Exchange Student, Computer Science	Oct 2022 – Aug 2023
• GPA: 92/100	
National Tsing Hua University , Taiwan B.S. in Computer Science and Engineering	Sep 2019 – Aug 2023
• GPA: 4.01/4.30	

Experience

Student Intern , Nexa Science, Tokyo, Japan	Sep 2025 – Dec 2025
• Developing a Spoken Dialogue System pipeline by integrating ASR with LLMs using PyTorch.	
• Optimizing data processing workflows and handling modality alignment challenges for internal applications.	
Software Engineer Intern , Dykoo Inc., Taichung, Taiwan	Jan 2024 – Apr 2024
• Involved in building web app for eCommerce order management using SvelteKit and GCP.	
• Designed order-splitting algorithms with Python and Pandas to optimize warehouse picking.	
• Integrated Excel data parsing and Firebase communication via Cloud Functions.	
• Developed scalable file handling, data processing, and UI components for real-time operations.	

Student Projects

Facial Features Transferring – Senior Project, NTHU github.com/Ihsin-Chen/pixel2style2pixel	Feb – Sep 2022
• Built a facial feature transfer system using StyleGAN2 and pixel2Style2pixel for seamless image synthesis.	
• Designed system architecture; implemented geometric warping and color correction with Python and OpenCV.	
• Integrated Mediapipe for 3D mesh extraction to improve alignment and visual realism.	
• Delivered a complete pipeline from data preprocessing to model integration and post-processing.	

Awards

Finalist, NTHU Senior Project Competition	Dec 2022
Academic Excellence Award (Top 5%) , NTHU	Spring 2022
JASSO Scholarship (Japan)	Oct 2022 – Aug 2023
Exchange Student Scholarship (awarded for Academic Performance)	Oct 2022 – Aug 2023

Skills

Languages: Mandarin (native), English (IELTS 7.5, TOEIC 910), Japanese (JLPT N2)

Technologies: Python, C/C++, TypeScript, PyTorch, TensorFlow, OpenCV, Firebase, Git, LaTeX

Courses: Data Structure, Algorithms, Linear Algebra, Operating Systems, Logic Design, Machine Learning, Computer Vision, Natural Language Processing, Image Processing