

Chen-Yu Hu

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Education

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

Experience

Student Intern , Nexa Science, Tokyo, Japan • 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.	Sep 2025 – Dec 2025
Software Engineer Intern , Dykoo Inc., Taichung, Taiwan • 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.	Jan 2024 – Apr 2024

Student Projects

Facial Features Transferring – Senior Project, NTHU github.com/Ihsin-Chen/pixel2style2pixel • 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.	Feb – Sep 2022
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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