

# Chueh Kai CHEN

## NTUT senior EE student

### Contact

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### Profile

I am Stanley Chueh, a senior Electrical Engineering student at National Taipei University of Technology (NTUT), passionate about exploring the integration of artificial intelligence and robotics. Currently, I am part of the City Science Lab @ Taipei, where I assist with large-scale mapping for factory applications and visual navigation systems.

### Experience

September 2023 -  
present

#### **Undergraduate Research Opportunity Program (UROP) City Science Lab@Taipei**

I support research in the field of robotics, with a primary focus on robotic perception and navigation. My work includes large-scale navigation in factory environments, multi-robot control applications, and simulation using platforms like NVIDIA Isaac Sim.

November 2024 -  
August 2023

#### **Assistant Engineer InstAI Inc.**

I focus on optimizing edge-AI models and have worked on projects involving custom AI model training and inference on edge devices. My main project automates the entire process, allowing users to simply collect a few real images. The system then fine-tunes the model and, with the integration of generative AI technology, creates a highly optimized AI model to specific needs.

### Education

September 2021 -  
June 2025

#### **National Taipei University of Technology**

Bachelor of Engineering Electrical Engineering (GPA to date: 3.68/4.0)

### Key skills and characteristics

- ROS/ROS2
- Nav2
- NVIDIA Isaac Sim
- Python
- C++
- MATLAB
- Computer Vision