

Wei-Chi Wang

1F, No.17-2, Ln. 420, Sec.5, Chenggong Rd., Neihu Dist., Taipei, Taiwan
+886 - 910845252 / wechwang626@gmail.com

A software engineer specialised in machine learning and object detection. Graduated from National Central University with a master's degree in computer science and information engineering. Studied in Deep Learning and Computer Science Lab. Comprehended deep learning and object detection.

EDUCATION

Master of Science in Computer Science and Information Engineering	Sep. 2017 - Jun. 2022
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National Central University, Taoyuan

- Relevant course: Pattern recognition, Image processing

Bachelor of Science in Computer Science and Information Engineering	Sep. 2013 - Jun. 2017
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National Central University, Taoyuan

- Relevant course: Data structure, Algorithm, Operating system

PROJECTS EXPERIENCE

3D Object Detection System (Python, PyTorch)

- A neural network which estimates the position and size of 9 kinds of 3D objects in point cloud data.
- Implemented attention mechanism to enhance the ability to extract features which are used for detection and identification.
- Modified the loss function to optimize the model easier.

Edge Detection System (C++)

- A system to detect edges of the objects in depth images.
- Calculated normal vectors of the pixels to distinguish edge points by comparing variations in normal vectors.

SKILLS

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- Programming Languages: C++, Python, JAVA
 - Deep Learning (Object Detection)

LANGUAGES

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- Chinese: Native
 - English: Professional

SPECIAL EXPERIENCE

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- Table Tennis Club, Computer Science and Information Engineering Department, National Central University