

# Liao, Yu-Chuan

No. 16, Ln. 139, Guo'an St., Annan Dist., Tainan City 709, Taiwan (R.O.C.)

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Date of Birth: 26 July 2001

Nationality: Taiwanese

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## EDUCATION

**National Taipei University of Technology**, Taipei, Taiwan Sep.2019 – June 2023

**Bachelor of Science in Mechanical Engineering**

Major: Mechanical Engineering

Total Average: 81.1%

**Karlsruhe University of Applied Science**, Karlsruhe, German Mar. 2023 – Aug. 2023

Non-degree exchange student

Major: International Program

## WORK EXPERIENCE

**Tong Yang Industry Co. Ltd.**, Tainan City, Taiwan July 2021 – Aug. 2021

**Mold Development Engineer Intern**

- Developed 3D modeling of mold by reverse engineering
- Mold produced, tested and checked
- Used Computer-Aided Design to aid the modification, analysis and optimization
- Simulated the performance to improve design and dealt with engineering problems by Computer-Aided Engineering

**Yuan Li Rehabilitation Clinic**, New Taipei City, Taiwan Nov. 2020 – June 2021

**Part-time Employee**

- Dealt with customer problems
- Communicated with physical therapist
- Assisted customers to use the medical equipments

## ACADEMIC / EXTRACURRICULAR ACTIVITIES

**Student Association, Dept. of Mechanical Engineering** Sep 2020 – Jun 2021

**Leader of Equipment Section**

- Hired the venue and equipment
- Organized a party for more than 50 people
- Risk evaluation and submitting events application

## LABORATORY / EXHIBITION EXPERIENCE

**Laboratory of Prof. Yi-Liang Yeh**, Taipei City, Taiwan Feb. 2022 – Feb. 2023

**Research Member**

- Making an autonomous car with a robotic arm to grab the target and back to the specific place completely automatic
- Using OpenCV in python to training the computer vision
- Forwarding Kinematics ArmRobot simulation by Matlab

## **ADDITIONAL SKILLS**

**Compter:** Python  
C++

**Languages:** Mandarin Chinese (native)  
Taiwanese (fluent)  
English (advanced—TOEIC:805, IELTS overall:6.5)

**Art:** Sketching  
Music

**Sports:** Tennis  
Basketball  
Baseball