Yi-Tse Wu

Phone : (+886) 905276106 **Mail :** r09631007@ntu.edu.tw **GitHub :** tailer954 **Linkedin :** Yi-Tse Wu

PROFESSIONAL BACKGROUND

Machine Learning、Embedded System、Image Processing、Internet of Things

EDUCATION

National Taiwan University (NTU) *2020 ~ Now*
M.S. in Biomechatronics Engineering
ADVISOR : Ta-Te Lin, LAB : Biophotonics and Bioimaging Lab(BBLAB)

National Taiwan Ocean University (NTOU) *2016 ~ 2020*
B.S in Marine Engineering
Overall GPA : 3.9/4.0, Class Rank : 1/59

WORK & RESEARCH EXPERIENCE

Intern, Upbeat Tech *2022/03~Now*
Implement and research QR code / Use ZXing to recognize QR code

Teaching Assistant, Digital Image Processing, NTU BIME *2021/09~2022/01*
Help students to debug (QT/C++ Programming) / Score the exams and homework from students

Teaching Assistant, Microcontroller, NTU BIME *2021/02~2021/03*
Help students to debug / Modify circuit diagrams by Fritzing / Sort the old materials and buy new ones

Undergraduate Student Research Assistant, NTOU *2017/12 ~ 2018/11*
A student research assistant of an industry-university project : Investigations on Tunneling Effects of Underwater Hi-Leds Lighting with Lamps (MOST106-2622-E019-005-CC3)

PUBLICATIONS

Y. T. Wu, T. T. Lin. "Research on a Soil Sensor Module with Wireless Transmission Function", Conference on Biomechatronics and Agricultural Machinery Engineering, 2021

Y. T. Wu, J. C. Wang, "The Construction of Intelligent Monitoring System For Boats", Taiwan Society of Naval Architects and Marine Engineerings Conference, 2019

HONORS & CERTIFICATION

Taiwan Patent, Monitor and Alarm System for Boats, tw I714998 *2021*
9.5%, Taiwan College Programming Examination (CPE) *2020*
Machine Learning, Coursera Certification from Stanford *2019*
3rd Place, NTOU Research Project Competition *2018*
1st Place, NTOU Makers Competition *2018*

ACTIVITIES & SIDE PROJECTS

Translation Volunteer, Ubucon Asia 2021 *2021*
Side Project, Machine Learning Marathon 100 Days *2019*
Side Project, Digital Image Processing *2019*

SKILLS

Embedded System : Raspberry Pi、Arduino、Atmel AVR、ESP8266、HC-08
Programming Skills : C/C++、Python、Matlab、Java、HTML、Shell Script、Docker
Open Source Libraries Experience : Tensorflow、Keras、OpenCV、OpenGL、ZXing