Yu-Fan Ling

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○ Yu-Fan Lin - Homepage (vanlinlin.github.io)
in www.linkedin.com/in/vanlinlin

Education

National Chung Hsing University (GPA: 3.94/4.3)   2022/02 - now

- Bachelor's degree, Department of Apply Mathematics, Data Science and Computing Group
- Special project 1: College Student Research, NSC
- Special project 2: Plant Disease Analysis System
- Special project 3: Push-up recognition system
- Special project 4: Plant management system
- Special project 5: Facial Recognition System Based on SVD

National Kaohsiung University of Science and Technology (GPA: 4.3/4.3)   2020/09 - 2022/02

- Bachelor's degree, Department of Telecommunication Engineering
- Special project 1: Shooting Training Human Factors Biomedical System
- Special project 2: Intelligent Assistance Recognition System for Taillights

Experience

Internship: Industrial Technology Research Institute, Scenario understanding and augmented intelligence   2024/03 - now

- Vacancy detection and object tracking of automated unmanned stores

Internship: Trunk Studio, development of Plant management system   2022/06 - 2022/08

- Learning front-end and back-end tools as well as development processes oriented towards enterprise work, and applying the learned techniques in a demo at the results exhibition in the last week
- Acting as the Host of a Results Exhibition

Halo Creative Enlightenment Programming Teacher   2019/05 - 2021/12

- Teaching Scratch programming, Minecraft programming, and Lego EV3 robot programming.
- Leading the team to participate in the FIRST Robotics Competition.

Urock Technical INC. Sheet metal engineer   2018/07 - 2019/03

- Design, manufacturing of large-scale distribution boxes and assembly boxes.
- Operation of laser cutting machines.

Skills

Programming: Python(main), Java, C++, Julia, MATLAB   **GUI:** pyqt5, pyqt6

AI framework: pytorch, mmdetection, mmpretrained, mmyolo   **Data base:** MySQL

CAD: Solidedge

Honors

- 2018 Asian Robotic Athletic Competition, 1st place
- 2021 The Second XRun! Motion Sensing Technology Innovation Competition, second prize
- 2021 Green Idea Invention and Design Fair, titanium prize (the best 10% teams in all of the participated teams)
- 2020 Fourth Foxconn Scholarship recipient (one of only 30 students in Taiwan)
- 1st place in the first year of Telecommunications Engineering at National Kaohsiung University of Science and Technology
- 2nd place in the junior, second semester of Applied Mathematics at National Chung Hsing University
- 2nd place in the senior, first semester of Applied Mathematics at National Chung Hsing University
- 2024 The Auto-WCEBleedGen Challenge Version V2, in conjuncted with ICIP, 2nd place.
- 3rd place, Socia Media Popularity Prediction Challenge, ACM International Conference on Multimedia (ACMMM).

Licenses and Certifications

Coursera (total 12 certifications)

- IBM Data Science
- IBM Introduction to Data Science

Udemy (total 3 certifications)

- Python Programming Masterclass
- Python & Python OOP Project
- Java Course For Beginner

SoloLearn (total 1 certifications)

- Java Course

Side Projects

- Shooting Training Human Factors Biomedical System
- Developing an Automatic Prohibited Items Detection Model for Airport Luggage X ray Images Based on the Integration of Convolutional Neural Networks and Visual Transformers
- Plant Disease Analysis System
- Intelligent Assistance Recognition System for Taillights
- Plant management system
- Push-up recognition system