

Chia-Yu, Chung

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EDUCATION

Texas A&M University

MSc in Electrical Engineering

Aug. 2021 – Present

College Station, TX

National Chung Hsing University (NCHU)

BSc in Bio-Industrial Mechatronics Engineering

Sep. 2016 – Jan. 2021

Taichung, Taiwan

EXPERIENCE

Bizlink Technology Inc.

Intern

Mar. 2021 – Jul. 2021

New Taipei, Taiwan

- Tested docks and dongles to ensure they were suitable for attaching to different computers.
- Wrote an application based on google sheets to help the borrow and return system.

Biological Signals Mining & Bionic Engineering Laboratory, NCHU

Research Assistant

Feb. 2017 – Jan. 2021

Taichung, Taiwan

- Conducted research into the balancing properties of Segway using Arduino and G-sensors with a PID control strategy.
- Adapted genetic algorithms to establish microenvironment control using Raspberry pi and Python, and increased the score of evaluation about 5 percentages.
- Awarded Honorable Mention in the project competition held by the Bio-Industrial Mechatronics Engineering Department.

Bag Filter Enterprise Company Limited

Intern

Jul. 2020 – Sep. 2020

Taoyuan, Taiwan

- Tested chips to ensure they were suitable for attaching to machines.

National Chung Hsing University

Teaching Assistant

Feb. 2018 – Jun. 2020

Taichung, Taiwan

- Assisted with teaching two classes, Fundamentals of Electricity and Human Factor Engineering, by checking students electrical circuits and helping to solve problems during the experiments.

Field Robot Competition

Leader

Nov. 2018/Nov. 2019

Taichung, Taiwan

- Built a field robot using programming languages such as Python from scratch.
- Designed a mechanical structure for accomplishing the missions.

Campus Dormitory, NCHU

Student Administrator(Internet Manager)

Sep. 2017 – Jul. 2019

Taichung, Taiwan

- Solved technical problems such as poor internet connections for dorm residents.

SKILLS

IT : OpenCV, git, markdown, LaTeX, Raspberry Pi, Arduino, Programming Logic Controller(PLC) / Programming Language (C, Python, MATLAB, LabView) / Computer Aided Design (SolidWorks, AutoCAD, CREO)

Certificates : Top-Level Pneumatic Technician (certified by the Skill Evaluation Center of the Workforce Development Agency, Taiwan) / SolidWorks Associate Certification

Languages :Chinese (native) / English (fluent)