Chia-Yu (Gina) Chung

+1(979) 213-2707 **|** chiayu0830@tamu.edu **|** 731 Dominik Dr., College Station, TX 77840, USA

PROFESSIONAL SUMMARY

A Master of Science student in Electrical and Computer Engineering with practical experience in python, OpenCV and CAD seeking for an internship in robotics and related field.

EDUCATION

M.S., Electrical and Computer Engineering, Texas A&M University, USA   *Present(exp.2023)*

B.S., Bio-Industrial Mechatronic Engineering, National Chung Hsing University, Taiwan   *Jan. 2021*

WORK EXPERIENCE

Intern, Bizlink technology Inc., New Taipei, Taiwan   *Mar. 2021 – Jul. 2021*

- Responsible for the program of docks and dongles to ensure they were suitable for attaching to different computers.
- Supported the IT department for the verification of the wire.
- Developed an application of the borrow and return system.

Intern, Bag Filter Enterprise Company Limited, Taoyuan, Taiwan   *Jul. 2020 – Sep. 2020*

- Responsible for the program of testing chips to ensure they were suitable for attaching to machines.
- Improved the project of bag filter process into automation system with GUI.
- Supported the part drawing by using SolidWorks.

ACADEMIC EXPERIENCE

Feb. 2017 – Jan. 2021

Research Assistant, National Chung Hsing University, 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.

Teaching Assistant, National Chung Hsing University, Taichung, Taiwan   *Feb. 2018 – Jun. 2020*

- Assisted with teaching the class, Fundamentals of Electricity, by checking students' electrical circuits and helping to solve problems during the experiments.
- Supported the class, Human Factor Engineering, by solving the problems of homework and exam.

Internet Manager, Campus Dormitory, National Chung Hsing University, Taichung, Taiwan

- Responsible for any technical problems of internet for dorm residents.
- Supported residents to set up the router and hot spot.

SUMMARY OF 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

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

LEADERSHIP EXPERIENCE

Field Robot Competition, National Chung Hsing University, Taichung, Taiwan   *Nov. 2018 – Nov. 2019*

- Lead a robotic team consisting of two members.
- Structured a field robot using programming languages such as Python from scratch.
- Designed a mechanical structure for accomplishing the missions.
- Applied OpenCV to construct image processing.

LANGUAGE

- English (fluent), Mandarin Chinese (native)