Chia-Yu (Gina) Chung

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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   *Sep. 2017 – Jul. 2019*

- 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, Visual Basic6

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)