**Chia-Yu (Gina) Chung**
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## EDUCATION

**M.S., Electrical and Computer Engineering,** Texas A&M University, USA                    *Aug. 2021 – May. 2023*

**B.S., Bio-Industrial Mechatronic Engineering,** National Chung Hsing University, Taiwan          *Sep. 2016 – Jan. 2021*

## 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.

*Feb. 2017 – Jan. 2021*

**Research Assistant, National Chung Hsing University, Taichung, Taiwan**

- Research Assistant, National Chung Hsing University, Taichung, Taiwan Feb. 2017 – Jan. 2021 • Developed and engineered a Segway to analyze balancing properties through the use of Arduino, G-sensors, and PID control strategy.
- Adapted genetic algorithms to establish microenvironment control using Raspberry pi and Python, resulting in an increase score evaluation of 5 percent.
- 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.

**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.

## SUMMARY OF SKILLS

**IT:** OpenCV, git, markdown, LaTex, Raspberry Pi, Arduino, Programming Logic Controller (PLC), Tina

**Programming Language:** C/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

**Language:** English (fluent), Mandarin Chinese (native)