




# HENRY CHANG


## PERSONAL PROFILE

**3.8 years** of experience as an acoustic engineer. Love exploring the unknown things and knowledge. Extremely motivated to constantly develop my skills and grow professionally. I am confident in my ability to manage all the job that I need to do.

## CONTACT

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 /Henry Chang

## EDUCATION

Ming Chi University of Technology  
Master in Mechanical Engineering, 2018

## SKILLS

- Exceptional communication and computer skills
- Done the work in a team or independent environment
- Handling work under stress and multitasking
- Accurately followed the instructions and provide high-quality results
- Highly effectively adapt and learn new things

## WORK EXPERIENCE

### Wistron, Acoustic R&D

NOV 2019- 2023

- **Collaboratively work** with mechanical team to **accomplish** acoustic design.
- **Highly familiar** with audio measurement analyzer. e.x. Audio Precision and Soundcheck.
- **Improved** device performance by **proposed changes** to other teams.
- **Outperformed on** audio components design and cost evaluation.
- **Analyzed** manufacturing issue and identify solution by collaborating with SW, EE and ME.
- **Responsible** for managing audio contact with GN Audio (Denmark).

### HTC, R&D intern

SEP 2013- SEP 2014

- **Learned and taught** CAV 3D scan measurement
- **Increased** awareness of mobile phone life, strength, deformation, function.
- **Improved** mobile deformation, stress, and strength measurement process.
- **Increased** workplace ethics
- **Won** leader's appreciate

## THOUGHT & IDEA

- Believe there is nothing "can't" achieve
- Parental respect, work hard and enjoy life
- Never too old to learn

## COMMUNITY WORK

- Art museum volunteer - Guided people to the exhibition area
- Yuli church volunteer - Lead children and make review video
- Drama volunteer - Arrange and clean the environment

# ACHIEVEMENT

Got the highest score in C++ course

Join HTC DFX intern

Learned 3D scanning measurement and make SOP to teach others

Master's degree

Presented Micro-Flexible Probe Research at the Nagoya seminar

Completed theses and master's degree

2012  
|  
2019

Promotion from level 8 engineering to level 9 senior engineering

Collaborated with client on Gandalf acoustic design

Upgrade job level from 7->8

Support manufactory acoustic test build and tune

Support Avaya J189, K155, K175 from design to MP

Join Wistron Acoustics

2019  
|  
2021

Changed the microphone installation gasket to resolve the leakage issue

Collaborated with GN audio on Teams test in ACQUA

Supported to improve assembly fixture to prevent operator errors

Gandalf project is in mass production (PanaCast 50)

Surveyed audio DSP supplier for new project

Leave Wistron. Learn Python to improve work efficiency

2021  
|  
2023

Built a website for SPI using Wix

Developed a service plan for SPI

Created and integrated a one-click process for Line official accounts

Visited friends and family in the U.S. and Canada for three months

Learned from the experts and build the back-end for SPI

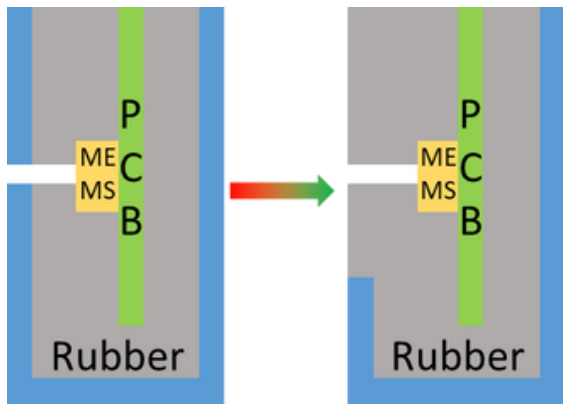
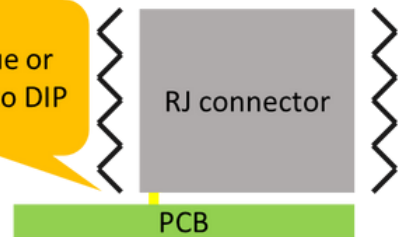
Used Python to automate frequently repeated processes

2023  
|  
2024

# PERFORMANCE IMPROVEMENT

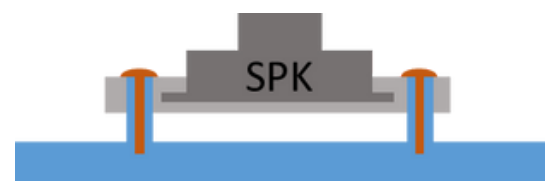
**Recommend to add handset hook rubber height to fix handset.**

Add glue or change to DIP



**Provided microphone mounting design to avoid the risk of assembly leakage.**

**Recommend speaker mounting design to reduce buzzing.**



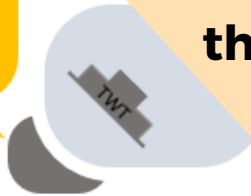
150 -> 50 sec

**Provided pre-boot suggestions to reduce cycle time in manufacturing test. ( Improve around 70% )**



Add chin to enhance frequency SPL by reflection.

**Improved higher frequency SPL by adding a structure to reflect audio through the tweeter.**



**Formatted data analysis files for faster results.**



**Created SoundCheck test sequence for automated acoustic testing.**



**Organized task items to expedite the schedule and prevent resource wastage.**

**Collaborated across functions to enhance the design and production processes for mass production of the project.**

