

# Cheng Po Sheng | 鄭泊聲

I am currently a University student determined to pursue a career of Product Design in the consumer electronics field.

## Education

- National Taiwan University (NTU), expect to graduate in Jun. 2023.
- Pursuing Bachelor of Science in **Bio-Mechatronics Engineering** and Bachelor of Arts in **Economics**.

## Work Experiences<sup>1</sup>

### Student Researcher, Center for Condensed Matter Science, NTU

- Jul. 2021 - present (The research program is expected to end in Mar. 2022.)
- Designing a novel hyperspectral confocal microscope, system integration, and the development of accompanying software.
- Involves Labview, Flutter/Dart, C++, optics engineering, hyperspectral, laser scanning confocal microscope, image processing and also previous project.

### Project Lead, Bio-Electromagnetics Laboratory, NTU

- May 2020 - present (including previous relevant internship)
- Designing a device to monitor the amount of bugs in farm fields that interact with other IoT device like humidity, temperature sensor.
- Involves mechatronics, IoT (XBee), pcb design (Altium), mechanics design (SolidWorks), microprocessor, Raspberry Pi, MySQL

## Awards

### Golden medalist, 19th Mobileheroes Award

- Category of 5G innovative application, awarded by Industrial Development Bureau, Ministry of Economic Affairs.
- Our team ARGO has developed a AR platform that utilize advanced image-based spacial recognition algorithm that makes complex AR experiences easy to use on personal mobile devices.
- My main contribution are UI/UX evaluation and designing the AR world for demo.

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<sup>1</sup>My coding experiences: Java for data structure, Matlab for statistics, C++/Kotlin for app development, Python for data processing on Raspberry Pi, Dart for UI, Labview for system integration and data visualization.