Po-Sheng Cheng 鄭泊聲

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National Taiwan University (NTU)

- Pursuing Master of Science, Graduate Insitute of Biomedical Electronics and Bioinformatics, College of EECS.
- Acquired Bechalor of Science in Bio-Mechatronics Engineering. Strong technical knowledge and interests of tech industry trend.
- Acqurred Bechalor of Arts in Economics. Skills for data science and finance.

IELTS score: 8.

Experiences

Electro-mechanical Engineering Intern, Logitech

- Feb. - Jun. 2022
- I proposed an innovative keyboard switch, then conducted a CI (Customer Insight) survey with 50 interviewees to understand its target audience and lastly designed three working prototype to demonstrate the technology.
- I gained strong familiarity with the NPI (New Product Introduction) process in the tech industry while collaborating with many departments (PM, EE, ID) in the company.

College Student Researcher, NTU

- Jul. 2021 - Feb. 2022. A self-managed research project funded by Natinoal Science and Technology Council.
- I developed a PC-based software with C++, LabVIEW and Flutter to integrate a novel spectral mapping system named HSI. GitHub repo of this project.
- I won the following awards with this project:
  - **2021 Technology Innovation Award** by CCMS, NTU (NTD$20,000)
  - **College Student Research Creativity Award** by National Science and Technology Council of Taiwan (NTD$20,000)

Project Lead, Bio-Electromagnetics Laboratory, NTU

- May. 2020 - Jul. 2022
- I designed an IoT machine to monitor the amount of bugs in farm fields with inhouse-designed microcontroller PCB and mechanics.
- I managed a complex BOM of both mechanical and electrical components for the iterations of the device with quotes from different vendor candidates.
- Technical aspect involved automatic control, IoT with Arduino (XBee), PCB design (Altium), Python, SolidWorks, Raspberry Pi, MySQL.

Awards and others

Championship, 2021 National Thesis Competition for College Students

- I conducted a market survey with $\sim$700 samples and used regression analysis to understand how customer's preferences for online video streaming platform changed during the pandemic.
- We showed a surprising results that customers didn't find those platforms more appealing despite the pandemic forcing them to use those platforms more. This could partly explain the recent turmoils in the video streaming industry.
- Awarded NTD$30,000. Link to the paper.

Director of Academic Affairs, NTU Student Association of College of Bio-Res. and Agri.

- Demonstrated outstanding communication skills while arranging several events with our industry partners.

President, NTU Sunshiner

- Showed my leadership capabilities in a social service club providing free english classes for students in rural areas.