

# 余欣澄 YU HSIN-CHENG

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## Applying job opportunity

Hardware Engineering Intern, Spring or Summer 2021

## Technical Skills

Programming languages:

- ◆ Python
- ◆ C++
- ◆ MATLAB

Hardware description language (HDL):

- ◆ Verilog

IC design tool:

- ◆ Cadence Virtuoso

Languages:

- ◆ Mandarin
- ◆ English
- ◆ Japanese

## Professional Experiences

- 2015~2017 : Research program in Academia Sinica Institute of Biomedical Science  
Research topic: Correlation between DEHP metabolites, its metabolic gene and breast cancer  
Adviser: Chen, Chien-Jen (陳建仁), Shen, Chen-Yang (沈志陽)
- 2020 : LINE FRESH hackathon  
This hackathon contest aimed to develop a useful, convenient, and interesting platforms or services. Thus, my team proposed a business prototype which showed the emergency level of received messages, helping users to quickly notice important or urgent messages.

- 2020～：Research in Professor Tsung-Hsien Lin (林宗賢)’s lab

I am doing research under Professor Lin’s lab. Professor Lin’s is the director of Graduate Institute of Electronics Engineering of NTU and my major research areas in his lab are analog and mixed-signal IC design. During the process of studying papers and conducting simulation experiments, my ability of tackling problems with different angles and the judgment of feasibility on some researches or products have great improvement.

- 2020～：Internship in Cathay Holdings (國泰金控)

I work as a product management intern. Not only should I learn the basic technologies behind Blockchain, but I am also required to develop Blockchain commercial programs as well as managing projects. Unit I work in is Blockchain technology development division (區塊鏈技術發展科) under the Digital, Data and Technology (DDT 數位數據暨科技發展中心) center in Cathay holdings.

### **Extracurricular experience**

- 2018～：NTUEE Symphony Orchestra, First Violin

- 2019：TSMC”2019 FUTURE TAIWAN New Vision of Semiconductor”

I was chosen to participate the activity held by TSMC and NTU. I got a chance to visit and communicate with engineers in National Chung-Shan Institute of Science & Technology (中科院), Taiwan Semiconductor Research Institute (台灣半導體研究中心) and TSMC Museum of Innovation.

- 2020：PR consultant of MAKE NTU

MAKE NTU is one of the biggest hackathon for makers in Taiwan. I was the PR consultant of 2020. I sought for sponsors (MediaTek, ANALOG DEVICE, Arrow Electronics, etc), received professors and company representatives as well as hosting the awards ceremony.

- 2020～：Minister of NTUEE Student Organization EE+ Division

This division aimed to connect students and alumni. We hold sharing sessions about studying abroad and interview outstanding alumni periodically. By holding these activities, I cultivate my ability of communication, organization and leadership.