

# Jhao-Ting Chen

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## Education

### National Tsing Hua University

B.S. IN ELECTRICAL ENGINEERING, GPA 3.89/4.30

- Undergraduate student @ Vision Science Lab, Prof. Min Sun: Deep Learning, Computer Vision, Natural Language Processing.
- Machine Learning, Computer Networks, Algorithms, Embedded System, Web Programming, etc.

Hsinchu, Taiwan

Sep. 2017 - Jun. 2021

### University of British Columbia

VANCOUVER SUMMER PROGRAM

- Algorithms & Web Development program.

Vancouver, Canada

July. 2018 - Aug. 2018

## Work Experience

### Software Engineering Intern, Microsoft

CLOUD HARDWARE INFRASTRUCTURE ENGINEERING, RELIABILITY TEAM

- Develop tools and scripts for server reliability evaluation.
- Execute tests and analyze results.
- Set up software/hardware automation infrastructure in the lab.

Taipei, Taiwan

July. 2020 - Current

### Picture Analysis & System Development Intern, Logitech

COLOR, MATERIAL & FINISH TEAM, SOFTWARE INTERN

- Analyze images and implement machine learning in real-life applications.
- Systemize workflows and develop tools for team members.
- Design experiments and verifications base on developed system.

Hsinchu, Taiwan

Mar. 2020 - Jun. 2020

## Projects

### Locality Sensitive Hashing on ALBERT

NLP MODEL IMPLEMENTATION

- Improve space complexity on natural language processing model, ALBERT.

Feb. 2020 - May. 2020

### CDCGAN Generator for QuickDraw! Dataset

CNN GAN IMPLEMENTATION

- Generate drawings for 30 objects using Conditional Deep Convolutional GAN.
- Classify drawings for 30 objects using ResNet34.

Dec. 2020 - Dec. 2020

### Residual CNN Captcha Breaker

CNN CLASSIFIER

- Decode security images when logging-in using Residual CNN.

Nov. 2019 - Dec. 2019

### EasySheet Start-up Project

WEB DESIGN AND DEVELOPMENT

- Develop React-based online guitar sheet editor, storage and viewer.
- Receive investment requests from our users.

Feb. 2019 - Jun. 2019

## Achievements

- 2018 **Summer Exchange Scholarship**, Electrical Engineering Dep. National Tsing Hua University
- 2017, 2018 **Academic Achievement Scholarship**, National Tsing Hua University
- 2017 **Full Mark 75/75**, Taiwan University Entrance Exam, top 0.1% of national cohort

## Skills

### Natural Languages

Chinese(Mandarin), English(TOEFL iBT:105)

### Programming

Python, C/C++, JavaScript, Linux operation, Algorithm, Data Structure, OOP

### Machine Learning

ML/DL/CV/NLP knowledge, PyTorch/tensorflow/numpy/pandas implementation

### Web Front-end & Back-end Development

Node.js, React.js, flask, nginx, AWS, firebase

### Others

Embedded System, Socket Programming, IOT, Verilog, FPGA, Hspice, Basic IC design