

# Jhao-Ting Chen

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## Education

### National Tsing Hua University

B.S. IN ELECTRICAL ENGINEERING, GPA 3.88/4.30

*Hsinchu, Taiwan*

*Sep. 2017 - Jun. 2021*

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

### University of British Columbia

VANCOUVER SUMMER PROGRAM

*Vancouver, Canada*

*July. 2018 - Aug. 2018*

- Algorithms & Web Development program.

## Work Experience

### Software Engineering Intern, Microsoft

CLOUD HARDWARE INFRASTRUCTURE ENGINEERING, RELIABILITY TEAM, RESEARCH & DEVELOPMENT INTERN

*Taipei, Taiwan*

*July. 2020 - Current*

- Design test tools and scripts.
- Perform tests and analyze results.
- Set up test software and hardware automation infrastructure in the lab.

### Picture Analysis & System Development Intern, Logitech

COLOR, MATERIAL & FINISH TEAM, SOFTWARE INTERN

*Hsinchu, Taiwan*

*Mar. 2020 - Jun. 2020*

- Perform image analysis and implement machine learning in real-life applications.
- Systemize workflow and develop tools for team members.
- Design experiments and verification base on developed system.

## Projects

### Locality Sensitive Hashing on ALBERT

SPECIAL TOPIC ON IMPLEMENTATION @ VISION SCIENCE LAB, NTHUEE

*Feb. 2020 - May. 2020*

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

### Residual CNN Captcha Breaker

FINAL PROJECT ON COURSE INTRODUCTION TO MACHINE LEARNING

*Nov. 2019 - Dec. 2019*

- Decodes security images that appears when logging-in using Residual CNN.
- Highest scored project in the course.

### EasySheet Start-up Project

WEB DESIGN AND DEVELOPMENT

*Feb. 2019 - Jun. 2019*

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

## Achievements

- 2020 **TOEFL 105/120**, TOEFL iBT
- 2018 **Summer Exchange Scholarship**, Electrical Engineering Dep. National Tsing Hua University
- 2017 **Academic Achievement Scholarship**, National Tsing Hua University
- 2017 **Academic Achievement Scholarship**, Electrical Engineering Dep. National Tsing Hua University
- 2017 **Full Mark 75/75**, University Entrance Exam

## Skills

### Natural Languages

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

### Programming

Python, C/C++, JavaScript, Unix(linux operation), Algorithm, Data Structure, OOP

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

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

### Machine Learning

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

### Others

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