

# Jhao-Ting (Jack) Chen

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## Education

### B.S. in Electrical Engineering, National Tsing Hua University

Hsinchu, Taiwan

DEPARTMENT OF ELECTRICAL ENGINEERING

Sep. 2017 - Jun. 2021

- Cumulative GPA 3.93/4.3 (3.81/4.0)
- Completed 45 credits of CS-related courses (listed below)

## Work Experience

### Microsoft, Software Engineering R&D Intern

Taipei, Taiwan

CLOUD HARDWARE INFRASTRUCTURE ENGINEERING, RELIABILITY TEAM

July. 2020 - July. 2021

- Developed parallel computing scripts for the Microsoft Azure server nodes reliability evaluation.
- Set up software/hardware automation tests for server health investigation in the Azure data center lab.
- Audited Azure server health log databases and developed real-time responsive dashboards for reliability metrics computation.

### Logitech, Picture Analysis & System Development Intern

Hsinchu, Taiwan

COLOR, MATERIAL & FINISH TEAM

Mar. 2020 - Jun. 2020

- Analyzed pictures of product materials and implemented machine learning in industrial application.
- Developed and systemized experiment workflows and web applications for team-wide usage.
- Designed experiments and verification based on the developed system for product material design.

## Research Experience

### Artificial Intelligence Image Understanding Lab, Academia Sinica

Taipei, Taiwan

FULL-TIME RESEARCH ASSISTANT, ADVISOR: PROF. JUN-CHENG CHEN

May. 2021 - Now

- Researched face forgery detection, participated in OpenMFC 2020 contest, deployed deepfake detection to industrial use.
- Exploited image-text relationship and applied on text-guided object and action localization, using CLIP and Grad-CAM.
- Responsible for all experiments and paper writing for an ICASSP paper (joint first author).

### Vision Science Lab, National Tsing Hua University

Hsinchu, Taiwan

UNDERGRADUATE RESEARCH, ADVISOR: PROF. MIN SUN

July. 2019 - June. 2020

- Exploited the properties of transformers for Natural Language Processing tasks.

## Publications

**Jhao-Ting Chen**, H.A. Hsia, C.H. Lin, B.H. Kung, D.S. Tan, J.C. Chen, K.L. Hua. *CLIPCAM: A Simple Baseline For Zero-shot Text-guided Object and Action Localization*. ICASSP 2022. (under review)

## Achievements

2021	<b>Academic Excellence Award</b> , Top 5 excellent academic score in NTHU EE.	NTHU
2017	<b>Academic Achievement Scholarship</b> , Top 1 excellent admission score in NTHU.	NTHU
2017	<b>Academic Achievement Scholarship</b> , Top 5 excellent admission score in NTHU EE	EE Dept. NTHU

## Extracurricular Activities

### Co-nnection, National Taiwan University

Taipei, Taiwan

MEMBER

Jul. 2021 - Now

- Provided academic guidance and lectures to high school students in remote and rural areas.
- Designed lectures in CS-related subjects suitable for high school students.

## Courses

<b>Fundamentals</b>	Programming(A), Data Structures(A), Linear Algebra(A+), Probability(A), Computer Architecture(B-), ...
<b>Advanced Courses</b>	Operating Systems(A+), Embedded System Lab(A+), Introduction to Computer Networks(A), Algorithm(A-)
<b>Software Engineering</b>	Software Studios(A+), Web Programming, Technologies, and Applications(A+), Introduction to IoT (A)
<b>Artificial Intelligence</b>	Introduction to Machine Learning(A+), Introduction to Intelligent Computing(A)