

# UEI-DAR CHEN

Undergraduate Student, Dept. of Computer Science, National Yang Ming Chiao Tung University

✉ ueidarchen@gmail.com

☎ +886 983 047 940

📍 Linkou, TAIWAN

🌐 udchen.tw

🌐 udchen

🌐 udchen19

## EDUCATION

Junior Student, Dept. of Computer Science

National Yang Ming Chiao Tung University

📅 September 2019 -

📍 Hsinchu, Taiwan

GPA: 4.11/4.3, ranked 12/200(6%) as of March 2022

## EXPERIENCE

Teaching Assistant, Intro. to Algorithms Course

Dept. of Computer Science, National Yang Ming Chiao Tung University

📅 August 2021 - January 2022

📍 Hsinchu, Taiwan

- Produce 10+ algorithm problem statements and testcases
- Manage scores and exam server for 110 students

Developer/Researcher, Mobile & Ubiquitous Interaction Lab

National Yang Ming Chiao Tung University

📅 July 2021 -

📍 Hsinchu, Taiwan

- Develop apps to manage notifications using Android Studio
- Log information to analyze user notification preferences

## ACHIEVEMENTS

🔗 2x ICPC Regional Contestant  
Silver Award (Rk. 15/108), 2019 ICPC Taipei Regional Contest  
Rk. 27/65, 2019 ICPC Yokohama Regional Contest

📄 2x Academic Achievement Award (Top 5%)  
Fall 2019 (GPA 4.12), Spring 2021 (GPA 4.18)

💻 3x Foundation Course Awards (Top 5%)  
Linear Algebra, Intro. to Algorithms, Computer Organization

## PROJECTS

Respiratory Disease Inspection Platform

3rd Place, 4th Young Turing Program, SYSTEX

🔗 Pytorch 🌐 udchen19/RespiratoryInspectionPlatform

📅 October 2019 - March 2020

A residual neural network for potential disease checks, using respiratory sounds recorded by microphoned stethoscopes.

B.E.A.S.T.

3rd Place, 7th ETC Data Application Contest, Freeway Bureau

🔗 Pytorch Lightning pandas WandB plotly 🌐 andy89923/Freeway\_ETC2021

📅 July 2021 - December 2021

A GRU-based attention model to predict freeway traffic flows during national holidays, given conditions and measures.

Music GAN

Final Project, Introduction to Artificial Intelligence Course

🔗 Pytorch-Lightning WandB muspy 🌐 udchen19/MusicGAN

📅 June 2021

A DCGAN-based model to generate Classical music out of MIDI files.

NCTUFCS Orientation Game Website

HSNUxZSGH Alumni, National Yang Ming Chiao Tung University

🔗 React.js HTML CSS Javascript 🌐 scott306lr/fcs\_orient\_2021

📅 August 2021 - October 2021

Chatroom-embedded website for a 3 hour event in an alumni's freshman camp, using React.js, Socket.io and MongoDB.

## STRENGTHS

Skill Fields

Deep Learning

Data Visualization

Algorithms

Web Development

Programming Languages

Python

C++

Android

React.js

Python Packages

torch

numpy

pandas

matplotlib

wandb

Soft Skills

Self-discipline

Eye for detail

Energetic

Optimistic

Teamwork

Sport Interests

Cycling

Jogging

Softball

Triathlon

Baseball

F1

## LANGUAGES

Mandarin

● ● ● ● ●

Mother Tongue

English

● ● ● ● ●

TOEFL iBT 109/120, CEFR C2

Japanese

● ● ● ● ●

JLPT N3