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   in 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

STRENGTHS

Skill Fields

Deep Learning   Data Visualization   Algorithms   Web Development

Programming Languages

Python   C++   React.js   Android

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   ● ● ◐ ○ ○

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.

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.

Music GAN
Final Project, Introduction to Artificial Intelligence Course

Pytorch-Lightning   WandB   muspy   ⚙ udchen19/MusicGAN   📅 June 2021

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