HSU CHUN-YEN

woo49m@gmail.com 0926-911182 Taoyuan, Taiwan

https://portfolio-dusky-kappa-49.vercel.app/

Education

National Cheng Kung University Master of Civil Engineering Sep. 2020 - Sep. 2022
Tainan, Taiwan

- Advisor : Prof. Chung-Wei Feng
- Research laboratory : XR Lab
- Thesis topic : Application of MR and AI to Develop an Opening Safety Inspection System

National Cheng Kung University Bachelor of Civil Engineering Sep. 2016 - Sep. 2020
Tainan, Taiwan

Skills

Web

- HTML/CSS/Javascript
- RWD
- ReactJS
- CRA,Vite,Next.js
- Tailwind, emotion
- Git
- Firebase

XR (AR/VR/MR)

- C#
- Unity
- ARCore
- VRTK
- MRTK

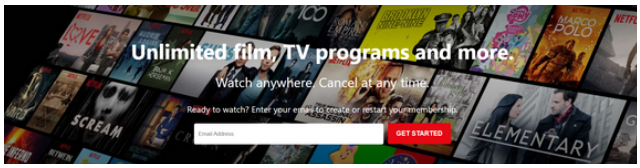
AI

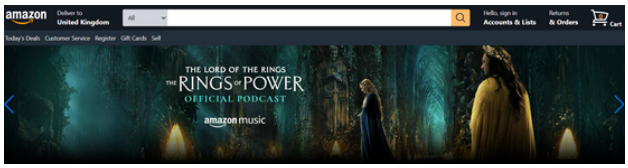
- Python
- Keras/TensorFlow
- Pytorch
- CNN/Mask R-CNN

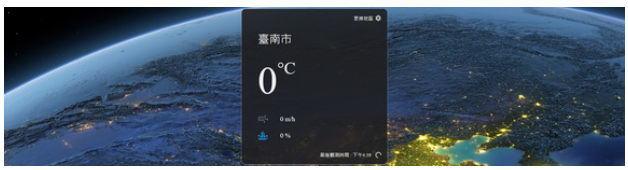
Experience of Project Development

Web Jan. 2023 - present

- At present, I have been self-studying front end web pages for about five months. I am capable of front end languages, React frameworks, CRA, Vite, Next.JS, Tailwind CSS and other development kits such as Redux, Router, etc.
- Link of Portfolio : https://portfolio-dusky-kappa-49.vercel.app/
- Web Applications:
  - **Portfolio** : Include biography, experience, web applications, project demo
  - **Netflix clone** : Use Netflix as a prototype for imitation production
  - **Amazon clone** : Use Amazon as a prototype for imitation production
  - **Realtime** Weather App : Provide users check real-time weather
  - **Chat-GPT theme Layout** : Layout demo to practice the CSS function and RWD







Experience of Project Development

Thesis Project Development Jan. 2022 - July. 2022

- Title : Application of MR and AI to Develop an Opening Safety Inspection System
- Purpose : Through the use of MR equipment and the combination of AI improve the operation of construction inspectors
- Demo: https://portfolio-dusky-kappa-49.vercel.app/about#thesis
- Skills:
  - Use Microsoft HoloLens 2 as device
  - Use Unity to create UI and environment
  - Use Python to establish a Mask-RCNN AI model
  - Use Scikit-Learn package to establish algorithm
  - Use Firebase to store information

May. 2021 - Dec. 2021

TSMC Project

- Title : Intelligent security detection system
- Purpose : Through the collection of point cloud of daily new construction progress, the project system will automatically doing safety inspection
- Demo: https://portfolio-dusky-kappa-49.vercel.app/about#TSMC
- Skills:
  - Use Boston Dynamic as device
  - Use Python and Scikit-learn to establish Algorithm and Guidelines
  - Use Unity to create UI and environment

Biography

Hi, My name is Ian. I am a lively and easy-going person, and actively participate in many club activities during college. Due to my appeal and influence, I often serve as the general convener or main cadre that make me have a lot of experience in event planning and executing.
During the master degree, I have learned C#, Python, and written code for two years. Ultimately, I developed two software related projects and had experience in meeting project requirements with owners. My fast learning ability and logical thinking enable me to plan orderly and execute when even dealing with non-professional related projects. In the face of many difficulties, I am not afraid of any challenges, and I would like to break through myself. During the process, I found it very interesting and attractive to produce productive things through logical knowledge and programming. and it sparked my interest in information Engineering, which made me finally choose to dedicate to it.
At present, I have been self-studying front end web pages for about five months. I am capable of front end languages, React frameworks, CRA, Vite, Next.JS, Tailwind CSS and other development kits such as Redux, Router, etc. In the future, I will not only keep learning more basic theory, back end knowledge, and development tools, but also cultivate development experience and design programming in order to become an excellent web developer.

Awards

SCEM Outstanding Paper Award

Language

English TOEIC 815 **Deutsch Level A2**

The 26th Symposium on Construction Engineering and Management / International Conference

OUTSTANDING PAPER AWARD

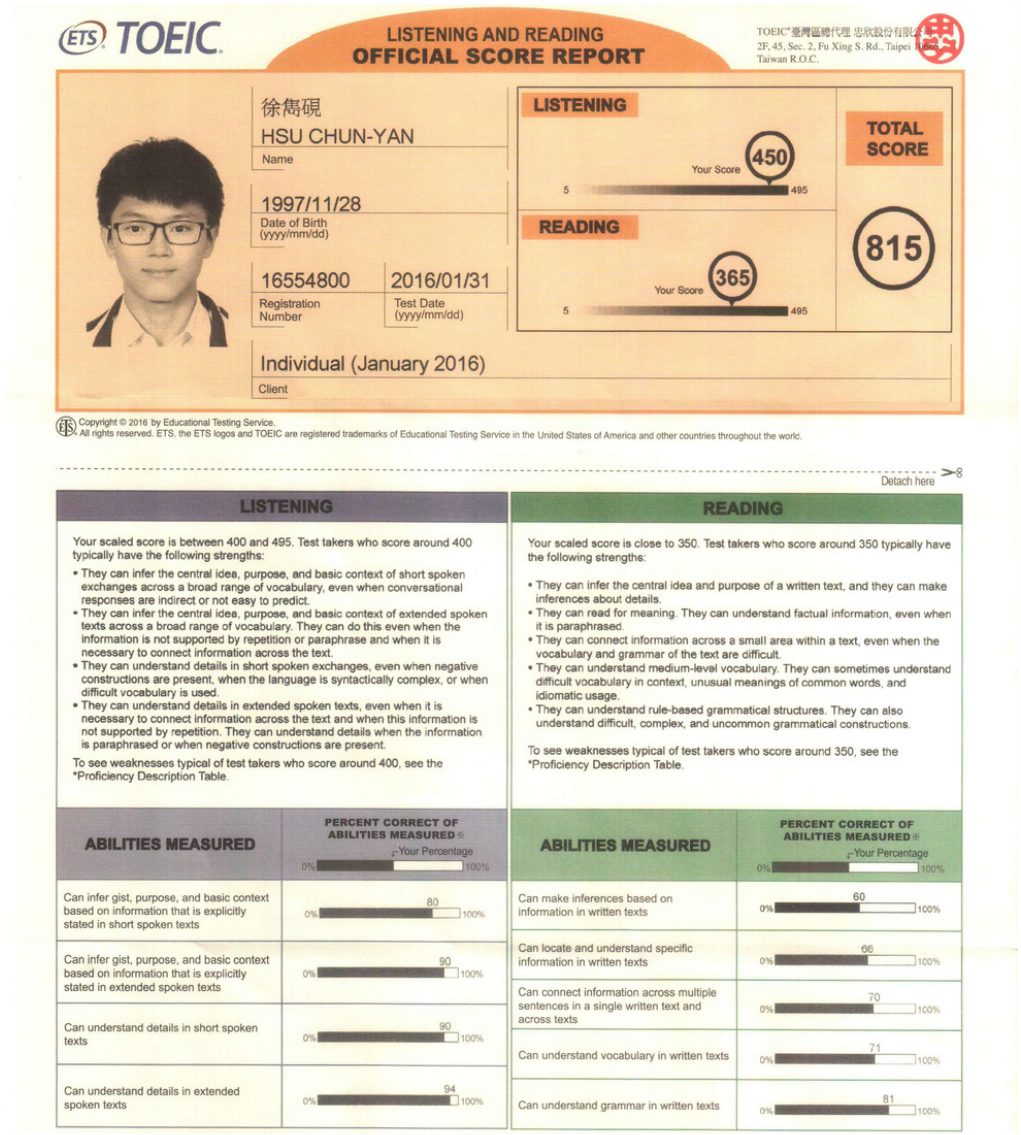
徐雋硯、馮重偉

Topic：應用混合實境結合建築資訊模型與人工智慧建構開口安全查核系統

Nie-Jia Yau
Prof. Nie-Jia Yau
Chairman

Han-Hsiang Wang
Prof. Han-Hsiang Wang
Chairman

JULY 22, 2022



ETS TOEIC

LISTENING AND READING
OFFICIAL SCORE REPORT

TOEIC臺灣區總代理 忠欣股份有限公司
2F, 45, Sec. 2, Fu Xing S. Rd., Taipei
Taiwan R.O.C.

徐雋硯
HSU CHUN-YAN
Name

1997/11/28
Date of Birth (yyyy/mm/dd)

16554800
Registration Number

2016/01/31
Test Date (yyyy/mm/dd)

Individual (January 2016)
Client

LISTENING
Your Score 450
5 495

READING
Your Score 365
5 495

TOTAL SCORE
815

Detach here

LISTENING

Your scaled score is between 400 and 495. Test takers who score around 400 typically have the following strengths:

- They can infer the central idea, purpose, and basic context of short spoken exchanges across a broad range of vocabulary, even when conversational responses are indirect or not easy to predict.
- They can infer the central idea, purpose, and basic context of extended spoken texts across a broad range of vocabulary. They can do this even when the information is not supported by repetition or paraphrase and when it is necessary to connect information across the text.
- They can understand details in short spoken exchanges, even when negative constructions are present, when the language is syntactically complex, or when difficult vocabulary is used.
- They can understand details in extended spoken texts, even when it is necessary to connect information across the text and when this information is not supported by repetition. They can understand details when the information is paraphrased or when negative constructions are present.

To see weaknesses typical of test takers who score around 400, see the *Proficiency Description Table.

ABILITIES MEASURED	PERCENT CORRECT OF ABILITIES MEASURED※ (Your Percentage, 0%–100%)
Can infer gist, purpose, and basic context based on information that is explicitly stated in short spoken texts	80
Can infer gist, purpose, and basic context based on information that is explicitly stated in extended spoken texts	90
Can understand details in short spoken texts	90
Can understand details in extended spoken texts	94

READING

Your scaled score is close to 350. Test takers who score around 350 typically have the following strengths:

- They can infer the central idea and purpose of a written text, and they can make inferences about details.
- They can read for meaning. They can understand factual information, even when it is paraphrased.
- They can connect information across a small area within a text, even when the vocabulary and grammar of the text are difficult.
- They can understand medium-level vocabulary. They can sometimes understand difficult vocabulary in context, unusual meanings of common words, and idiomatic usage.
- They can understand rule-based grammatical structures. They can also understand difficult, complex, and uncommon grammatical constructions.

To see weaknesses typical of test takers who score around 350, see the *Proficiency Description Table.

ABILITIES MEASURED	PERCENT CORRECT OF ABILITIES MEASURED※ (Your Percentage, 0%–100%)
Can make inferences based on information in written texts	60
Can locate and understand specific information in written texts	66
Can connect information across multiple sentences in a single written text and across texts	70
Can understand vocabulary in written texts	71
Can understand grammar in written texts	81

國立成功大學
NATIONAL CHENG KUNG UNIVERSITY

碩士學位證書

(111)成碩字第62741號
學號：N66094629

學生　徐雋硯
中華民國八十六年十一月二十八日生
在本校　工學院　土木工程學系碩士班研究期滿
經碩士學位考試合格依學位授予法之規定授予
工學　碩士學位
此證

校長　蘇慧貞

中　華　民　國　111　年　06　月