徐雋硯 HSU CHUN-YEN

woo49m@gmail.com 0926-911182 Taoyuan, Taiwan

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

學歷

國立成功大學 土木工程學研究所 碩士 2020.9 - 2022.9
台南市，台灣

- 指導教授 : 馮重偉 教授
- 研究室 : XR Lab
- 研究題目 : 應用混合實境結合資訊模型與人工智能建立開口安全查核系統

國立成功大學 土木工程學系 學士 2016.9 - 2020.9
台南市，台灣

專業技術

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

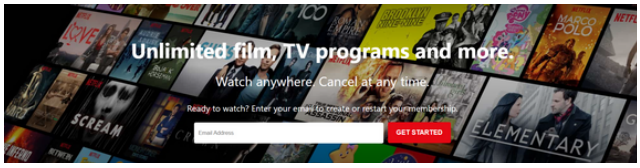
延展實境 XR (AR/VR/MR)
- C#
- Unity
- ARCore
- VRTK
- MRTK

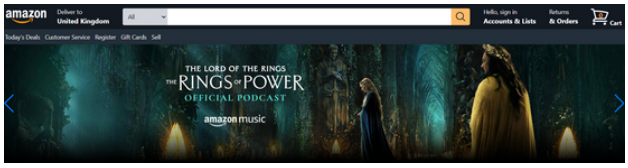
人工智慧 AI
- Python
- Keras/TensorFlow
- Pytorch
- CNN/Mask R-CNN

程式開發經驗

網頁開發 2023.1 - 現今

- 目前自學前端網頁技術，花費三個月時間學習HTML、CSS、Javascript、React框架、CRA、Vite、Next.JS、Tailwind以及Redux、Router等其他相輔套件，並於後續兩個月時間製作五項網頁作品，累積實務開發經驗。
- 作品集連結 : https://portfolio-dusky-kappa-49.vercel.app/
- 網頁作品:
  - Portfolio : 內容包括簡介、學習歷程、網頁作品以及過去專案Demo
  - Netflix clone : 以Netflix為原型進行模仿製作
  - Amazon clone : 以Amazon為原型進行模仿製作
  - 即時氣象查詢 : 透過中央氣象局提供的API供使用者實時查看天氣等詳細資訊
  - 主題式響應網頁設計 : 以Chat-GPT為主題，開發RWD的樣板設計網頁





程式開發經驗

論文專案開發 2022.1 - 2022.7

- 題目 : 應用混合實境結合資訊模型與人工智能建立開口安全查核系統
- 目的 : 以MR設備與人工智能的結合，提出新作業模式提升工地安檢人員作業效率
- 展示影片: https://portfolio-dusky-kappa-49.vercel.app/about#thesis
- 技術:
  - Microsoft HoloLens 2作為硬體設備
  - Unity製作UI及環境
  - Python建立Mask-RCNN人工智能模型
  - Python與Scikit-Learn開發安全演算法
  - Firebase資料庫串接

TSMC台積電產學合作專案 2021.5 - 2021.12

- 專案名稱 : 智能安全偵測系統
- 目的 : 透過每日蒐集工程環境點雲，進行自動化安全判別
- 展示影片: https://portfolio-dusky-kappa-49.vercel.app/about#TSMC
- 技術:
  - Boston Dynamic作為硬體設備
  - Python與Scikit-Learn開發安全演算法
  - Unity開發使用者介面

簡歷

我是徐雋硯，活潑隨和的個性讓我在大學期間參與了許多社團活動。由於在團體中具備號召力、影響力，因此時常擔任召集人或者主要幹部，具有活動組織、規劃經驗。
本人畢業於成功大學土木研究所，主修營建管理。由於研究室長年引入人工智能、區塊鏈、點雲、XR(AR、MR、VR)等資訊技術以提升管理效率，因此時常獲得產學合作的專案機會，這也使我在研究所時期，更多是偏向學習資訊知識，提升編程能力以及面對需求者進行專案的開發。於此兩年學習了C#、Python兩種程式語言，並累積兩年編程經驗，最終開發兩項軟體專案。快速的學習能力以及清晰的邏輯思維，讓我在面對非本科專業專案時，仍能井然有序地進行整體規劃與執行，不畏懼的精神也讓我在學習路上能夠得以堅持。在過程中，也逐漸發現通過邏輯與編程進行創造是非常有趣且吸引我的，這不僅激發了我對資訊工程的興趣，也使我最終選擇潛心學習。
目前自學前端網頁技術，花費三個月時間學習HTML、CSS、Javascript、React框架、CRA、Vite、Next.JS、Tailwind以及Redux、Router等其他相輔套件，並於後續兩個月時間製作五項網頁作品，累積實務開發經驗。未來將會繼續學習更多的理論、後端知識和開發工具，同時也會持續培養開發經驗和程式設計思維，以優秀的全端工程師為首要目標!。

競賽/獎項

SCEM 優等論文獎

語言能力

英語 TOEIC 815分　　德語 A2等級

附件

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

OUTSTANDING PAPER AWARD

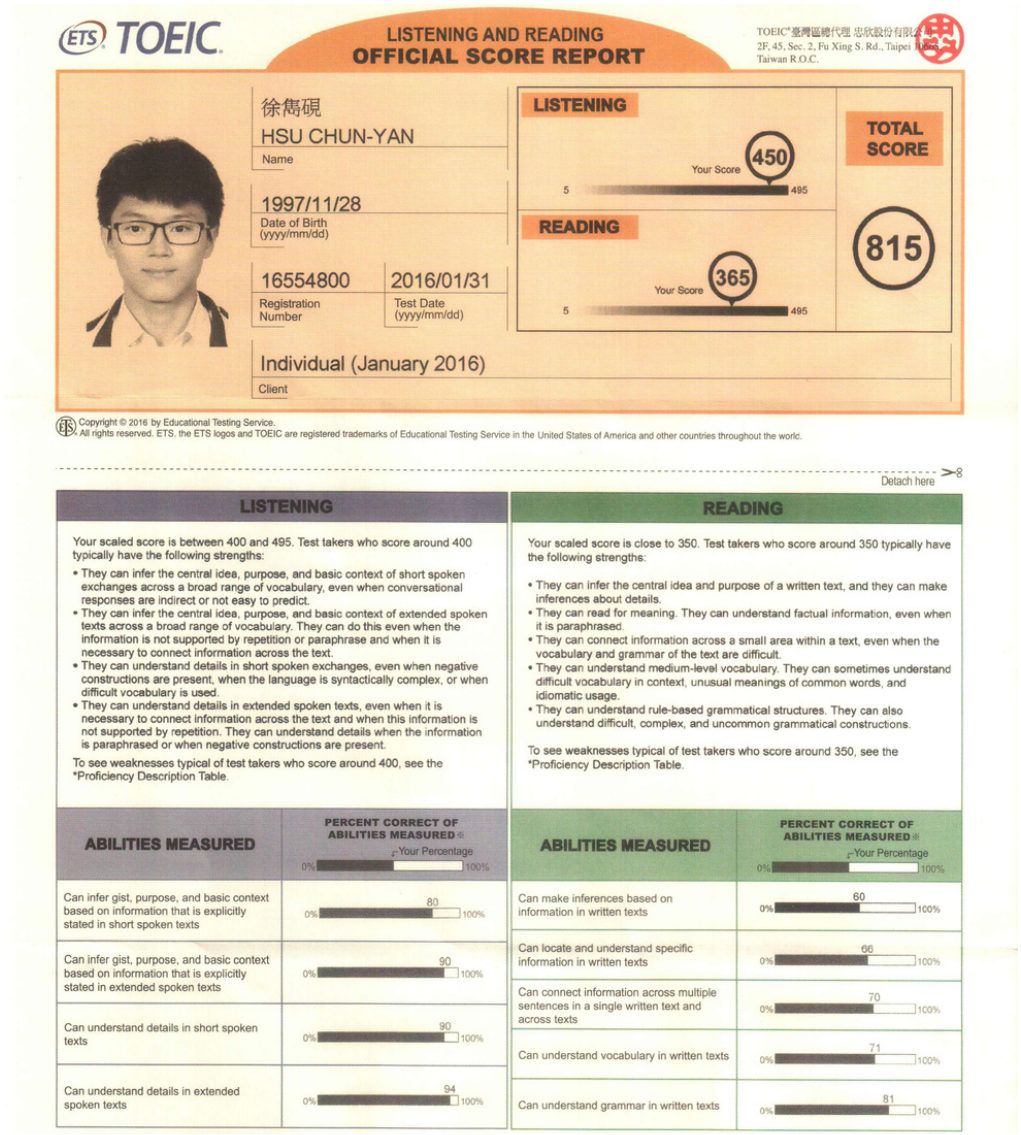
徐雋硯、馮重偉

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

Prof. Nie-Jia Yau
Chairman

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

Copyright © 2016 by Educational Testing Service.
All rights reserved. ETS, the ETS logos and TOEIC are registered trademarks of Educational Testing Service in the United States of America and other countries throughout the world.

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