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EDUCATION

National Central University (NCU) Sep. 2021 – July 2023
Master of Computer Science and Information Engineering Taoyuan, Taiwan
- Related coursework: Machine learning, Data mining on biological and andmedical data, Deep Learning Computer Vision, Advanced Data-Mining, TA of Data Structure

National Central University (NCU) Sep. 2017 – June 2021
Bachelor of Civil Engineering Taoyuan, Taiwan
- Related coursework: Algorithms, Introduction to Computer Science (Java), Principles of Programming Languages, Python

SKILLS

Programming: ***Python***, C, Java, JavaScript

Backend: ***PostgreSQL***, Python flask, Node.js

Frontend: Python Dash Plotly, Html, JavaScript, React.js, Tailwind CSS

ML/DL: ***Keras***, PyTorch, Scikit-learn

PROJECTS AND RESEARCH

Sentiment tool web | ***React.js, Tailwind CSS, Python flask*** Oct. 2023
- Built a simple web interface using React.js for the front-end framework and Flask for the back-end framework to integrate a machine learning model.

Identified Multi-Functional Antimicrobial Peptides | ***Python, Keras, Scikit-learn*** Jul. 2023
- Employed algorithm adaptation methods and compared various approaches for handling data imbalance, including loss functions, preprocessing techniques, language model embeddings, model architectures, and feature types.
- Our model improved the macro balanced accuracy (BA) from 0.780 to 0.801 on the task of predicting which anti-microbial functional class a peptide sequence belongs to (Multi-label prediction).

Prediction of groundwater level in Changhua Yunlin | ***Python, Keras, Scikit-learn*** Jul. 2022
- Observed that Zhuoshui River is divided into north and south, and there will be different degrees of subsidence.

Bi-LSTM Model to Increase Accuracy in Text Classification | ***Python, Text-Classification*** May. 2022
Implementation
- Refering to paper, *Bi-LSTM Model to Increase Accuracy in Text Classification: Combining Word2vec CNN and Attention Mechanism*, built a Natural Language Processing (NLP) model which combine word2vec CNN and attention mechanism to predict which emotional type a comment is.

Securities trading database | ***SQLite, DB Browser*** Nov. 2021
- Established an Entity Relation Diagram, relation schema, and easily create a database.

ETS TOEIC

LISTENING AND READING
OFFICIAL SCORE CERTIFICATE

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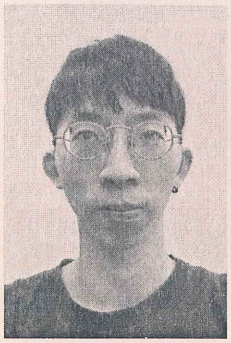

林駿燊
LIN JIUN-SHEN
Name

1999/01/09
Date of Birth (yyyy/mm/dd)

Registration Number	Test Date (yyyy/mm/dd)
23177651	2023/07/28

Individual (July 2023)
Client

LISTENING

Your Score 445
5 — 495

READING

Your Score 355
5 — 495

TOTAL SCORE

800

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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	93
Can infer gist, purpose and basic context based on information that is explicitly stated in extended spoken texts	83
Can understand details in short spoken texts	86
Can understand details in extended spoken texts	88
Can understand a speaker's purpose or implied meaning in a phrase or sentence	86

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	80
Can locate and understand specific information in written texts	76
Can connect information across multiple sentences in a single written text and across texts	75
Can understand vocabulary in written texts	60
Can understand grammar in written texts	73

※HOW TO READ YOUR SCORE REPORT:

Percent Correct of Abilities Measured:
Percentage of items you answered correctly on this test form for each one of the Abilities Measured. Your performance on questions testing these abilities cannot be compared to the performance of test-takers who take other forms or to your own performance on other test forms.

Note: TOEIC scores more than two years old cannot be reported or validated.

1230