



李家妤

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SKILLS

IELTS 6.5

C / C++

Python

Matlab

Verilog

PyTorch

EDUCATION

Master of Science in: National Tsinghua University

Electrical Engineering Department 電機研究所

Bachelor of Science in: National Tsinghua University

Power Mechanical Engineering Department 動機系

Electrical Engineering Department 電機系

RESEARCH PROJECT

BEHAVIORAL INFORMATICS & INTERACTION COMPUTATION LAB.

Advisor: Prof. Lee, Chi-Chun

Sep 2022 - Present

- Conducted research on speech emotion recognition by leveraging audio features with deep learning techniques.
- Investigated multimodal speech emotion recognition using a cross-modal fusion mechanism in research project.

DEEP LEARNING COURSE

Teacher: Prof. Lin, JIA-WEN

Sep 2022 - Jan 2023

- Achieved 99.252% accuracy on the final project -- "電影評論情緒分類" by utilizing a BERT-based model in conjunction with an XGBoost classifier.
- Secured first place in the final project competition among 10 groups.

FINANCIAL TECHNOLOGY COURSE

Teacher: Prof. WENG, YONG-LU

Sep 2022 - Jan 2023

- Participated in the "你說可疑不可疑？— 疑似洗錢交易預測" competition organized by T-Brain AI platform and achieved an accuracy of approximately 0.0197 with "Recall@N-1 的 Precision", as defined by the host.
- Ranked 17th among 685 groups in the competition.

BACHELOR'S THESIS

無人餐車送餐系統 *Project Director*

Mar 2020 - Dec 2020

- Planned and monitored project progress, led and coordinated team members.
- Applied 清華大學 智慧校園計畫 and received \$120,000 to implement the Independent study.
- Use Raspberry Pi's visual recognition system to identify roads and control driving directions.
- Won the first place of 2020 清華大學 工學院學士班 領航專題.