

XuanYu (Xyfer) Chen

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學歷 EDUCATION

國立陽明交通大學 NATIONAL YANG MING CHIAO TUNG UNIVERSITY Hsinchu, Taiwan

• *Institute of Computer Science and Engineering (M.S.)* 2024-

計算智能與影像分析實驗室 Computational Intelligence and Image Analysis

Advisor: Prof. Tsaipei Wang.

國立成功大學 NATIONAL CHENG KUNG UNIVERSITY Tainan, Taiwan

• *Department of Computer Science and Information Engineering (B.S.)* 2022-2023

Received a bachelor's degree in Computer Science and Information Engineering.

• *Department of Physical Therapy* 2019-2022

• *Department of Psychology* 2017-2019

技能專長 SKILLS

- EXPERTISE Deep Learning (DL) 、 Machine Learning (ML) 、 Computer Vision (CV) 、 Natural Language Processing (NLP) 、 Information Retrieval (IR)
- ENGLISH TOEIC: 805 (Listening: 360, Reading: 445)
- LANGUAGES Python3 > C++ > JavaScript > C = Verilog = Dart
- FRAMEWORKS Pytorch, Tensorflow, Flask, OpenCV, Pandas, NumPy
- TOOLS Git, Markdown, Docker

課程紀錄 COURSES AT THE INSTITUTE

- 深度學習 & 深度學習實驗 Deep Learning & Deep Learning Labs : (A)
 - We learn about the architectures of models such as *SCCNet*, *ResNet*, *UNet*, *Conditional VAE*, *MaskGIT*, and *DDPM* by reading orig papers, and we implement and train them. [Github](#)
 - In the final project, we tried different schedulers to improve the computation efficiency issues of RePaint. [Github](#)
- 演算法 Algorithms : (A+)
- 資料視覺化與視覺分析 Data Visualization and Visual Analytics : (A+)
In the final project, we visualized the voting results from various regions in Taiwan, combining a complex analysis of income levels and education levels. [Github](#)

畢業專題 CAPSTONE PROJECT

應用於判決書之文本自動標記系統 (Automatic Text Marking System for Legal Judgments)

Advisor: Prof. Wen-Hsiang Lu | [Poster](#) • [Slide](#) • [Github](#)

This project aims to **extract Named Entities** and **key phrases** such as **judgment result and sentencing responsibility from legal judgments**, and display them in an eye-catching way on the user interface, to help users easily read them for subsequent research and analysis.

個人計畫 SIDE PROJECTS

- 以 FPGA 實作之別踩白塊兒遊戲 (Verilog) | [Slide](#) • [Github](#) • [Demo](#)
- 2021 年台灣選舉結果查詢及分析之聊天機器人 (Python3) | [Github](#) • [Demo](#) • [@888qoqdr](#)
- 改善失智的認知學習 APP (Dart) | [Slide](#) • [Github](#) • [Demo](#)
- **MATLAB Commen Remover (HTML+JavaScript)** | [Github](#) • [Website](#)
Use regexp to remove comments. For use in student demos in the "MATLAB Programming Language" course.

獲獎紀錄 ACHIEVEMENTS

- 大學程式能力檢定 Collegiate Programming Examination (CPE) - 6/7 (51 / 2668, 1.9%)
- [成功大學資訊系 113 級畢業專題展](#) - 入圍決賽 (8/72 組)
- 2020 第六十屆菁英盃全國大專院校辯論比賽 季軍