

Xyfer Chen

📍 Tainan/Hsinchu, Taiwan • xyfer.im • [Github](https://github.com/xyfer) • xyferim@gmail.com

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 - present

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.)*

2017 - 2023

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](#) • [@888qqodr](https://twitter.com/888qqodr)
- 改善失智的認知學習 APP (Dart) | [Slide](#) • [Github](#) • [Demo](#)
- **MATLAB Commen Remover** (HTML+JavaScript) | [Github](#) • [Website](#)

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