

Yun-Rou Lin

+886 988929049 | yunrou.cs08@nycu.edu.tw
[Yunrou.github.io](https://yunrou.github.io) | [linkedin/Yunrou](https://www.linkedin.com/in/Yunrou) | [github/Yunrou](https://github.com/Yunrou)

EDUCATION

Master of Computer Science

2019 - 2022

NATIONAL YANG MING CHIAO TUNG UNIVERSITY

GPA: 4.28/4.3

The Phi Tau Phi Scholastic Honor Society of the Republic of China Honorary Membership

Bachelor of Computer Science

2015 - 2019

NATIONAL CHIAO TUNG UNIVERSITY

GPA: 3.9/4.3

Teaching Assistant (TA): Numerical Methods, 2019

RESEARCH

MVCOLOR: RECOMMENDATION OF COLOR ENCODINGS FOR MULTI-VIEW VISUALIZATIONS

GRAPHICAL AND PERCEPTION LAB

Sep 2019 - Apr 2022

- Developed an interactive recommendation system, MVcolor, that models the colorization of a multi-view visualization system.
- Formulated a grouping problem into **Set Partitioning Problem** solved by **Gurobi** optimization.
- Ensured color discriminability using a **Genetic Algorithm**.
- Used **React** for front-end and **Django/Django REST Framework** for back-end.
- Conducted an online survey study using Qualtrics and an online user study to assess the system and results.

COURSE HIGHLIGHT

ARTIFICIAL INTELLIGENCE

PYTHON

Designed a two-player board game AI agent. Implemented iterative deepening minimax with alpha-beta pruning, and devised a heuristic function. Achieved rank 2 in class.

DATA MINING

PYTHON

Performed data preprocessing, feature selection, logistic regression modeling, ensemble learning, and validation on biomedical data.

DESIGN STUDIES - CREATIVE MINDS AND METHODS

OSAKA UNIVERSITY

An international online course with design practices of 9 journals and 2 term projects. Comprehended Papanek's function complex and the seven stages of the design process.

LEADERSHIP

Minister of Artistic Design Department

2017 - 2018

NCTU - STUDENT ASSOCIATION OF COMPUTER SCIENCE DEPT.

Director

2016 - 2017

NCTU - UU CLUB

LANGUAGES

Chinese: Native

English: B2

TOEFL iBT: 89 (R24/L2/S21/W21)

SKILLS

Programming Languages: C/C++, Python, R, MATLAB

Web Development: HTML/CSS, JavaScript, React, Django/Django REST Framework

Visualization: Vega-Lite, D3.js, Matplotlib

Technology: Git/GitHub, \LaTeX