

SHR-RUEI (Ray) Tsai

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EDUCATION

National Yang Ming Chiao Tung University (NYCU)
B.S. in Computer Science

Hsinchu, Taiwan
Jul. 2021 - Present

- GPA : 4.06/4.3
- GPA in CS courses : 4.16/4.3

EXPERIENCES

Undergraduate Research Assistant in Comp Photo Lab

Jul. 2023 - Present

Advisor : Prof. Yu-Lun Liu

Research Topic : MVS-based Neural Radiance Fields

**Undergraduate Research Assistant
in the laboratory of the Department of Materials Engineering**

Oct. 2023 - Present

Advisor : Prof. E-Wen Huang

Research Topic : ML in Shape Memory Alloys

PROJECTS

Real or AI image (Python, Jupyter Notebook)

Jun. 2023

AI final project. The goal of this project is to identify whether the images are synthesized by AI, and to test different methods to find the best performance in detecting real or AI images. [Link](#)

NYCU++ (Python, Django, PostgreSQL)

Jan. 2023

Final project of introduction to database system. A simple website for students in NYCU to upload and search the recommendation of courses. [Link](#)

FPS Game (Unity, C#)

Jan. 2023

The shooting game is my final project of introduction to computer graphics. [Link](#)

SKILLS

Programming Languages C/C++, Python, MATLAB, PostgreSQL

Frameworks Django, Vue.js

Tools Git, Docker

CERTIFICATIONS

- TOEIC : 820
- TOEFL ITP : 557

EXTRACURRICULAR ACTIVITY

**Manager of Equipment Section in
NYCU Computer Science Student Association**

Jun. 2023 - Present