

You-Zhe Xie (謝侑哲)

Personal Page: <https://youzhe0305.github.io/>



EDUCATION

B.S. in Computer Science, National Yang Ming Chiao Tung University (CS, NYCU) 9.2023 - 6.2027

Ranking: 1/192 (0.52%). GPA: 4.29/4.3.

Relevant Course: Deep Learning, Machine Learning, System Administration, Statistics, Algorithms, Data Structures, Database Systems, Computer Networks

EXPERIENCES

Consultant, WorldQuant 2.2025 - Now

- Design **alpha signals** for quantitative trading. **Analyze market** trends and **financial** characteristics to **allocate investment** funds. Best achieving **13.2% returns per year** in out-of-sample terms.

Research Assistant, Computational Photography Laboratory, NYCU 6.2024 - Now

- Researching in **3D reconstruction model backdoor attack** (submitted paper to ICCV 2025), **4D controllable extend** (In progress as first contributor).

Research Assistant, Department of Management Science, NYCU 9.2024 - Now

- Researching the **Lotka-Volterra model** based on biological competition for **sales forecasting**. Analyzing **competitive relationships** between different products.

Mentor, Google Developer Student Club, NYCU 2.2024 - 6.2024

- Teaching students about **generative AI algorithms** and **project development**.

Lead & Lecture, Programming Club, Mingdao High School 6.2021 - 8.2022

- Taught algorithms to **40+ students** and **hosted 5 programming competitions**.

Publication

Stealth 3DGS data poisoning . 3.2025

- Hentci Ke, **You Zhe Xie**, Yu-Lun Liu, Wei-Chen Chiu. **Under Submission in ICCV 2025**
- Implant** specific **trigger image into one view** of 3DGS which can't be detected in other views. Mainly poison by project depth map of trigger image to point cloud prior.

Projects

Real-Time DSTNet (Python): [page](#), [github](#) 2024.8

- Improved video deblurring** model **DSTNet (CVPR 2023)** to achieve **real-time inference (37 fps)**, speed up to **400%**, refactor it from **offline to online**.

Deep Learning Projects (Python): [page](#), [github](#) 2024.7 - 2024.8

- 6 projects include **image classification**, **segmentation**, **generation**, **inpainting**, **video generation**, (CNN, UNet, ResNet, VAE, Transformer, Diffusion).

Berkeley Computer Vision Projects (Python): [page](#), [github](#) 2024.6 - 2024.9

- 5 projects include **image alignment**, **hybrid**, **warping**, **stitching**, **auto stitching**.

Anime Helper (Express.js): [page](#), [github](#) 2024.12

- Anime info. website with **React.js**, **Express.js**, **PostgreSQL**. I was responsible for the **backend**.

Dungeon Game (C++): [page](#), [github](#) 2024.4

- Text-based RPG dungeon game** with **8 systems** (random dungeon, NPC, ...).

Paper Searching Bot with LLM (Python): [page](#), [github](#) 2021.8

- Used **RAG** with LLM to search paper. Got data by **crawler**. Used **discord bot** as UI.

More Projects(7): [link](#)

AWARDS

Academic Excellence Award (書卷獎) * 2 3.2024, 11.2024

Core Fundamental Course Award of Algorithm, Discrete Mathematics, Digital Circuit Design 3.2025, 9.2024

National Problem Solving Contest on Internet (NPSC).	Merit Award.	12.2022
Young Turing Program (YTP).	Final round* 2	8.2021, 8.2022
National Information Security Practical Ability Competition (Tcat).	5th Place.	7.2022

Skills & Languages

Programming Language: C/C++, Python, Node.js
Development Skills: Git, PyTorch,Pillow, Express.js, PostgreSQL, Shell Script, Nginx
Languages: Mandarin (native), English (TOEIC 810)