

# Ray Chen

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## EDUCATION

- Step 2018 - Bachelor in Computer Science National Yang Ming Chiao Tung University ( NYCU, former NCTU)  
Jun 2022 Overall GPA: 3.86/4.3

## WORK EXPERIENCE

- Jul 2020 - Software developing internship - Taiwan Main Orthopaedic Biotechnology  
Sep 2020 - Developed an anatomy program in Unreal engine and C++  
- Handled bugs and improved the program to achieve customers' inquiries and concerns.  
- Proved successful working within tight deadlines and fast-paced atmosphere  
- Participated in continuous improvement by generating suggestions, engaging in problem-solving activities to support teamwork

## SKILLS

Programming : C++, C, Verilog, Python, shell script, MySQL, Labview, Risc-v assembly language, Unreal engine  
Others: Git, Docker, NFS server & client, ZFS, FTP, NIS server & client, Daemons, LinuxOS

## Projects

- **Badminton\_Coach\_AI** ([https://github.com/Coach-AI-Final/Final\\_File](https://github.com/Coach-AI-Final/Final_File))
  - This project aims to identify human gesture poses using tensorflow, openpose
  - Analyze ball types and separate rally segments from video clips
  - Learn to collaborate and cooperate with my teammates
- **Sleep quality recorder** ([https://github.com/Raychen0617/IOT\\_FINAL\\_PROJECT](https://github.com/Raychen0617/IOT_FINAL_PROJECT))
  - This project aims to figure out whether weather, temperature may affect your sleeping quality
  - Recording weather information by crawling information from websites
  - Recording sound (snore) when you're sleeping and send it through IOT
- **BBS and Chat Room system**
  - Construct a Bulletin Board System in python to allow users to create board, broadcast, chat, post
  - Enable multiple (10+) users to login to the same server in the same time
  - Allow users to privately chat or broadcast with other users

## ■ Publications (<https://hackmd.io/@chentzj>)

### System administrator notes

- Take notes about the lecture I learned in National Yang Ming Chiao Tung University
- Including NFS,NIS,Daemon, NGINX and so on.

### Computer graphics

- My notes about computer graphic lecture
- Including shader shading, clipping, rasterization and the whole gpu rendering pipeline
- Some explanation of opengl and shader codes

## ■ Certification

Collegiate Programming Examination Passed

Certified LabVIEW Associate Developer (CLAD) Passed

GRE 323 Verbal:153 Quantitative:170 AWA:4.0

## ■ Introduction

I am a college student, studying in National Yang Ming Chiao Tung University and majored in Computer science. I have strong interested and processing in artificial intelligent, image processing, machine learning. Furthermore, I am looking forward to study aboard after I graduate. To achieve my goal, I need to improve on both English and skills to overcome future difficulties. Moreover, I should gain more valuable experience such as internships which helps me to make complex decisions in the future. As a college student, there are still many issues such as skills, competence, team working, critical thinking that I should learn about. However, I believe that with my eager and strong mentality, I can eventually pass through all the obstacles and failures and success to pursue my dream.