

# TIAN-YU GUO 郭天宇

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## 🎓 EDUCATION

<b>Sun Yat-sen University</b> , Guangzhou, China	2022 – 2025 (expected)
<i>Master student in Computer Science (CS)</i>	
<b>Xidian University</b> , Shaanxi, China	2018 – 2022
<i>B.S. in Computer Science (CS)</i>	

## 👤 EXPERIENCE

<b>Teaching Assistant of "SYSU-DCS3013 : Computer Architecture"</b>	2022
Release "SYSU-ARCH LAB" which focuses on simulators.	
<b>Design PTX-EMU</b>	2022
"PTX-EMU" is an emulator for NVIDIA PTX. You can use it to generate image by simulating rendering program.	
<b>Design CNN framework on CPU and GPU</b>	2022
"CovNN" is a CNN framework support on CPU and GPU. To validate its availability, CNNs are built to solve MNIST or CIFAR-10 training on GPU and achieve 98% or 70% accuracy respectively.	
<b>Design GEMM by WMMA</b>	2022
"GEMM WMMA" is an implementation of GEMM by CUDA WMMA and it can behave better than cutlass' basic GEMM at most situations.	

## ⚙️ SKILLS

- Programming Languages: C, C++, CUDA, Python, Java
- English: CET6(517/750)

## ♥️ HONORS AND AWARDS

Top 4.2% nationwide   Top 2.9% worldwide in "leetcode contest"	2023
The Second Prize Scholarship in SYSU	2022-2023
The Second Prize Scholarship in XDU	2018-2019, 2019-2020, 2020-2021
Top 7.58% in CCF CSP	2021
Provincial first prize of CUMCM	2020