

Contact Details

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ABOUT ME

I am a Computer Science student studying at University of Cambridge. What I really enjoy is the beauty of Computer Science and how it can be applied in real life. Having used C/C++ for over a whole year, I also learn other programming languages. With the help of OpenCourseWare, I gain more knowledge myself on different kinds of field. I am open to new fields of area and enjoy exploring unknown features. Meanwhile, it's also part of my daily routine to learn more around Algorithm and Data Structure, Database, Computer Graphics etc.

TECHNICAL SKILLS

Math Background

Calculus, Linear Algebra, Discrete Math, Probability and Statistics

Exploring: Abstract Algebra, Topology (basic)

OS: MacOS, Linux, Windows

Programming Background

C, Cpp, Java, Python, OCaml, HTML/ CSS, Latex, SQL: Postgre, SQLite, HSQL; NoSQL (Python)

Exploring: C#, JavaScript

EDUCATION BACKGROUND SEE MORE ON LINKEDIN

University of Cambridge 2022.10 - Till now Undergraduate, Computer Science

Supported by fully funded Jardine Scholarship.

Xiamen University 2021.09 - 2022.06 First year of Undergraduate, Software Engineering

Class Rep, ACM Team training.

GPA: 3.91 / 4.0 (first term), 88/100 (the whole year)

Nanyang Model High School 2018.09 - 2021.06

High School Diploma

*Physics Rep, Leader of a research project.*I have been awarded ShuPing Scholarship twice.

COURSES TAKEN

OOP, Digital Electronic, Database, Programming Languages listed above, Math, Computer Graphics, etc

PROJECT AND ASSIGNMENT SEE MORE ON GITHUB

Previous

Huawei Tech Arena | Project 2022.10.20-2022.11.26 Gold Medal with £7000, the first in Leader Board. | ☑ Blog In a team of 4, dealing with pre-processing, serialization.

- · Responsible for implementation & improvement of LZSS.
- · Optimization using C pointers, bitwise operators & hash tables. GPU optimization: Branch Prediction.
- · Multi-threading, Parallelization, Concurrent Processing.
- · Leading the team and communicate with other teammates.

Database Design Project (C++) 2022.8-Now [CMU15-445 Project] Project (Github) | Blog

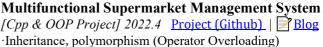
- ·Buffer Pool Management System, Latch, LRU
- ·Replacement policy, Buffer Pool Manager Instance. In order to solve the concurrent problem, implement the PARALLEL Buffer Pool Manager.

Using C++ STL, Google C++ Style Guide

Introduction to Computer Graphics 2022.7-2022.9

[MIT6.837 Assignment] | Blog

- ·Ray casting, normal visualization, rendering, voxel rendering, super sampling and 3D
- ·OpenGL visualization using C++.
- ·Implement classes of cameras, several types of primitive objectives, light.



inheritance, polymorphism (Operator Over

·Read/Write Files, just to name a few

Typing Game [C Programming Project] 2021.12 Graphically Beautiful Interactive Game

C & EasyX. Project (Github) | | Blog

Ongoing

Artificial Intelligence CS229

Learning required Math and Coding at the same time

Java & Algorithm C/C++ (Not posted)

[Leetcode] Algorithm - to be updated

INTEREST AND EXTRACURRICULAR ACTIVITIES

Music, Swimming, Yoga, Gym, Helping others etc. | Society Joined: Ethics in Mathematics Economics Related Topics: Macro & Micro, Money Banking

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