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Yang Qi

Education

School of Mathematical Sciences, East China Normal University		Shanghai, China
B.S. in *Mathematics and Applied Mathematics*	GPA: 3.21/4.0	09/2015 - 07/2019
International Study Program, University of California, Berkeley		Berkeley, CA
UCB Extension (Non-degree)	GPA: 3.94/4.0	01/2017 - 08/2017
School of Computer Science, Fudan University		Shanghai, China
Non-degree		09/2019 - now

Internship and Research Experience

Internship: eBay China   Shanghai, China

Intern Software Engineer   05/2018 - 10/2018

Work in AI Ops group. Develop tools that help users to monitor their servers.

- Collecting large amount data of different servers in real time
- Use Zookeeper to distribute workload and ensure our program fail-safe
- Write statistic algorithms to detect server failure based on the collected data

Projects

Renderer

A Renderer using path tracing algorithm

Implements bounding volume hierarchy to accelerate the render process

Supports various kinds of materials and light sources

Pintos OS (Course project in Operating System)

Implements priority scheduler and advanced scheduler in the OS system

Utilize basic system calls: exit, exec, create, open, write, read and so on

Bear Map (Course project in CS61B, Berkeley)

Loads the images of maps with different sizes, and the coordinates of locations

Using A* algorithm to calculate the shortest path between different locations

Searching and auto-completion of location name using Trie tree.

Additional Information

Programming language: Python, C++

CS: computer graphics, Data Structure, Computer Architecture, Operating System, Machine Learning