

YUE GONG

✉ yvettetyue1998@outlook.com · ☎ (+86) 186-0549-1766 · 🌐 snowgy

🎓 EDUCATION

Southern University of Science and Technology, Shenzhen, China 2016.09 – Present

Bachelor student in Computer Science and Engineering (CSE), expected June 2020

GPA: 3.88/4.00 (2/128)

University of British Columbia, Vancouver, Canada 2018.07 – 2018.08

Summer school in Computer Science and Engineering (CSE)

👤 EXPERIENCE

Efficient Cache Management for Replicated Web Search Engine 2018.09 – Present

Individual Research Project Supervisor: Prof. Bo Tang

Aims to develop offline cache admission algorithm and online query assignment strategy to maximize the throughput of the web search engine.

- Provides theoretical analysis of **inapproximability**
- develop more efficient heuristic algorithm and improved the cache hit ratio by 5 %

Pintos 2019.03 – Present

Course Project Supervisor: Prof. Bo Tang 🌐 SourceCode

Pintos is a simple operating system framework for the 80x86 architecture. We need to strengthen its support in kernel threads, loading and running user programs, and a file system.

- finish the kernel thread and user program part. All tests passed.

Influence Maximization 2018.11 – 2018.12

Course Project Supervisor: Prof. Ke Tang 🌐 SourceCode

Implement the algorithm described in “Influence Maximization in Near-Linear Time: A Martingale Approach” to solve the influence maximization problem.

- Adapt the original algorithm to multiple-process version
- Got **highest** score in the performance contest in my class (1/105)

PiliPili 2019.03 – 2019.05

Full stack developer 🌐 SourceCode

An image processing app. You could see the demo via the above github link.

- integrate image style transfer and various photo filter.
- A simple community for users to upload and share their own creative work.

⚙️ SKILLS

- Programming Languages: JAVA == C >= C++ >= python
- Development: Web (familiar, especially for backend) Android (beginner)
- English: *TOFEL* 109 *GRE* 321

💖 HONORS AND AWARDS

2nd Prize, Scholarship for Outstanding Student Sep. 2018

1st Prize, Scholarship for Outstanding Student (5%) Sep. 2017

Scholarship for Outstanding Fresher Sep. 2016