

LIXUAN CAO

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📄 SUMMARY

- Implemented bug triage while building operating system in project OS-161
- Experienced with SQL and database management in project BIB system
- Implemented project BB7K with the concept of oriented programming
- Experienced with building compiler while coding compiler for WLP4
- Used Protege to experiment with artificial intelligence, generate the texts that look like human-write
- Built a simple distribution system in project Binder with TCP/socket technique

🎓 EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE, Expected Graduated: May 2017

👤 EXPERIENCE

PROJECTS

OS-161 Jan. 2016

C, Linux Individual Project

Brief introduction: Building an operating system

- Implemented bug triage - warning messages, locate problem, narrow down to fix.
- Implemented parallel programming by threads and lock to synchronize different processes

Arknoid May. 2016

Java, Android Group Projects collaborated with Johann, Sam

Brief introduction: Like brick breaker games, but allowed two people play at the same time

- Implemented animation by event driven architecture using android studio
- Optimized the collision between ball and paddle, ball and bricks, etc, by applying algorithm I decided
- Communicate with teammates, and synchronized our work through git

Tetris 2015

Java, Windows Individual Project

Brief introduction: classic tetris game coded by Java used eclipse

- First time coding by Java, used one week to learn Java and finish the project

HSBC Bank Guangzhou, China 2012

Summer Intern Manager: Christine Peng

Brief introduction: Data collecting, analyzing and organizing by Excel

⚙️ SKILLS

Proficient: C++/C | Java | Bash | SQL | Git | SVN | Python | Scheme

Familiar: Latex | Java Script | PHP

♥ MISCELLANEOUS

1st Prize, Award on Sir Isaac Newton Exam by University of Waterloo 2012

Excellent student leader, Award on U-Link College 2011-2012