

# Qiyuan Pu

I can write a simple operating system

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## Education Background

09/2014 – 06/2018 Southwest Forestry University, School of Big Data and Intelligent Engineering, Computer Science and Technology, Bachelor

- Majored Course: Data Structure, Operating System, Computer Architecture, Computer Network, etc. These major courses are all 90 points or more, out of 100.
- In the third semester, I went to Thailand as a school exchange student.

## Development Experience

RongOS — Implementation of a simple operating system

This project has written a simple operating system from scratch. Implemented features include multitasking, memory management, process management, windows management, etc. This project is also my graduation design and won the Outstanding Graduation Thesis Award.

- <https://github.com/Puqiyuan/RongOS>
- <https://github.com/Puqiyuan/RongOS/blob/master/doc/thesis/thesis.pdf>

Tsinsen Website Programming Challenge

This project is to independently complete the Tsinsen problems to train programming skills. The problems currently completed are all 100 scores, out of 100. There are other similar exercises, including two C programs, one is high-precision (up to 999 digits before and after the decimal point) floating-point calculator, the other is banker algorithm in the operating system, etc., basically representing my current highest programming ability.

- [https://github.com/Puqiyuan/Tsinsen\\_ACM](https://github.com/Puqiyuan/Tsinsen_ACM)
- [https://github.com/Puqiyuan/URI\\_ACM](https://github.com/Puqiyuan/URI_ACM)
- [https://github.com/Puqiyuan/High\\_Accuracy\\_Float\\_Calculator/blob/master/Calculator.c](https://github.com/Puqiyuan/High_Accuracy_Float_Calculator/blob/master/Calculator.c)

- [https://github.com/Puqiyuan/OS\\_Algorithms/blob/master/BankerAlgorithm/Programs/banker.c](https://github.com/Puqiyuan/OS_Algorithms/blob/master/BankerAlgorithm/Programs/banker.c)

## Advanced Programming in the UNIX Environment

Includes files, directories, standard I/O, system data files and information, process environment, process control, process relationships, signals, threads, thread control, daemons, process communication, network IPC, and more. C development under Linux is the direction I want to pursue, and the future professional expectation is Linux system/background development, and it is best to involve the kernel.

- <https://github.com/Puqiyuan/APUE>

## Self-evaluation

Through the university for four years, a series of excellent study, work and living habits have been developed, including:

1. Skilled in using Google English search to solve various problems, English is my working language.
2. Efficient command line work manner.
3. Skilled in using Linux tools, including Emacs, Vim, Latex, Org-Mode, Makefile, Github, etc.
4. Skilled C programming, with three years of experience in Debian Linux configuration, a certain Bash Shell programming experience, a certain understanding of C development under Linux.
5. Persist in running ten or twenty kilometers a week. Patience and perseverance are decisive for the resolution of technical problems.

## Personal Honor

2014 —2015	Merit Student in University Level
2015 —2016	Merit Student in Province Level
2018	Outstanding Graduate
2018	Excellent Graduation Thesis(Design)
2018	Second Prize of Yunnan Province University Students Computer Works Competition