

# Ziyang Feng

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## Education

### Dalian Univ. of Technology

B.Eng. in Computer Science  
GPA: 85.2/100  
2016.09-2020.06

## Links

Blog:// [blog.fuujiro.com](http://blog.fuujiro.com)  
Github:// [@fuujiro](https://github.com/fuujiro)  
LinkedIn:// [fuujiro](https://www.linkedin.com/company/fuujiro)

## Introduction

### Apply: Research Intern

I love programming  
Familiar with **C/C++** language  
Understand and use  
Linux/Unix systems  
Comprehend **Computer Graphics** and Vision  
passionate about **open source** projects  
Hope to be a intern at HKU CS Dept.

## Skills

### Programming

Programming Language  
C++ • C • Python • ~~LaTeX~~  
Operating System  
Linux/Unix • Shell • Vim  
Database  
Redis • SQL

### Language

native  
Mandarin  
fluent  
English

## Projects

### JiroOS A toy Operating System

2019.3

- X86-based tiny operating system, supported physical machines and virtual machine such as bochs
- Implement segment/page memory allocation, process thread management, synchronous asynchronous mutual exclusion, I/O process communication and file system
- Referring to other open source implementations, 64-bit extensions and ARM architecture adaptations are being implemented

### Socket Unix Networking Programming / socket / Chatting room

2018.12

- Implement TCP/UDP socket network Programming
- IO multiplexing with select/poll/epoll model
- Develop a Chatting room based on select model

### LIMS Library Information Management System

2017.6

- With book add, delete, modify & three-way search , Bestseller recommendation function
- Own administrator & user the two relationship, with account recovery function, color interactive terminal interface
- **LIMS** has **42 stars** in GitHub, which becomes one of the most popular **Library Information Management System** <sup>C tag</sup> projects

## Experience

### National Undergraduate Training Programs for Innovation and Entrepreneurship Undergraduate Research in Robotic Calibration

2018.01 - Present | Dalian, China

- Research on Robot Arm Calibration Based on Zhengyou-Zhang Calibration Algorithm
- Try the new calibration board marked by ARUco, optimize the original calibration algorithm
- Our **DUT-RVLab** update research progress on GitHub

### Cardiff University, UK Big Data & HPC Summer School

2018.07 - 2018.08 | Cardiff, UK

- Participate in a school-funded summer exchange program with School of Engineering, Cardiff University
- Learn about big data, machine learning and high performance computing
- Successfully completed the final Hackathon closing project, implementing a demo of gesture recognition

### "WeGeek" WeChat Mini Program hackathon "Time Cross" Mini Program

2018.12 | Beijing, China

- Participate in the WeChat Mini Program hackathon jointly organized by **Segmentfault** and **WeChat**
- Developed a mini program that tried to replace the **Tencent Document**

## Awards

2018	1st Prize	Liaoning Computer Multimedia Design Competition + Scholarship
2018	2nd Prize	The 8th APMCM Asia Pacific Mathematical Modeling Competition in 2018
2017	1st Prize	2017 <b>Ti</b> Cup Electronic Design Competition of Dalian Univ. of Tech.
2017	2nd Prize	The 26th Dalian Mathematics Competition in University Student