

ZIQI YUAN

+86-18888922905 | 3170105371@zju.edu.cn

EDUCATION

Zhejiang University

Hangzhou, China

College of Computer Science and Technology

2017 –2020

- GPA: 3.94/4.00 (top 7%)
- Selected awards: Zhejiang University Scholarship (awarded to those with outstanding all-round performance), Second Prize in National College Student Theoretical Physics Competition
- Advised by Dr. Wenbo Shen, a distinguished ZJU100 Young Professor at Zhejiang University
- TOEFL: 105
- GRE: 324 + 4
- Programming languages: C, Java, Python and more.

PROFESSIONAL EXPERIENCE

Mitigating IoT Device DDoS Attack by Allocating Limited Gas

Supervised by Associate Professor Kai Bu, Zhejiang University, China

Mar 2020 –now

- Put forward the concept of light-weight blockchain, which use the delay buffer to deal with the forking problem in relatively small-scale network instead of proof of work.
- Built a private chain on Ethereum and reimplement a method based on smart contract in a paper.
- Implemented a toy example of light-weight blockchain without the process of proof-of-work.

My Online Code Shop on Taobao

Jan 2020 –Mar 2020

- Designed Java software more convenient than most on-line tools to draw flow charts.
- Help a fellow student to design a software with and without a RTOS on Cortex-M series MCU.

Physical Experiment Assistant APP

Team leader in Student Quality Training Project, Zhejiang University, China

April 2018 –Mar 2019

- Achieved a cloud to do data backup for users.
- Implemented lots of statistical methods to better assist users.
- Implemented various methods, such as linear regression and interpolation method, to do different types of function regression.
- Designed some Java classes of good-looking dialogs.

Mentor Matching Program

Supervised by Professor Yang Yang, Zhejiang University, China

Feb 2018 –Oct 2018

- Collected five thousand pieces of information on applications for master and Ph.D and corresponding results.
- Implemented methods such as scatter diagram, heat map to visualize the results of correlation analysis.
- Implemented some traditional machine learning methods such as P-value test, support vector machine to test correlation between cause and effect and do linear classification.

CURRENT RESEARCH INTERESTS

Current Work

- Doing work related to RTOS and Fuchsia OS.

Research Interests

- Operating system and docker.
- Network security.