Zhihong Niu

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Education

Xi'an Shiyou University
BE in Computer Science
2017.09-2022.09

Links

Github:// **MRNIU**
(120+ followers)
LinkedIn:// **zone-niuzh**

Skills

Programming
Over 5000 lines
C • C++ • Python • Go
1000 - 5000 lines
Scheme • Java
Less than 1000 lines
Shell • LaTeX• x86 ASM
ARM ASM • RISCV ASM

Platform
Familiar
x86/x86_64
ARM/AARCH64
Knowledge
RISCV/RISCV64

DevOps
Familiar
Git • GitHub Action
CMake • Travis CI

Experience

Alibaba Summer of Code   Student Participant
2019.06 - 2019.09 | Remote
- The first batch of ASoC, 21 out of 400+ applicants chosen to be a participant
- Implement Arduino framework and standard library support for AliOS-Things

Google Summer of Code   Student Participant
2020.06 - 2020.08 | Remote
- Port FreeRTOS to AMP board Portenta H7, and Arduino Framework based on FreeRTOS
- FreeRTOS-PortentaH7 Port FreeRTOS to Portenta H7
- ArduinoCore-freertos Arduino Framework based on FreeRTOS

Open Source Promotion Plan 2020, 2021   Mentor
2020.05 - 2020.09, 2021.05 - 2021.09 | Remote
- Organized by the Institute of Software Chinese Academy of Sciences and openEuler community, help students complete the development
- Kernel: SimpleKernel
- Compiler: SimpleCompiler
- Renderer: SimpleRenderer

Google Summer of Code   Student Participant
2022.06 - NOW | Remote
- ARM port and device tree support for Haiku
- GSoC2022 info

ThoughtWorks   Development Intern
2020.09 - NOW | Xi'an, Chain
- Security and Systems Research department
- The MVVM development of a brand smart watch
- File monitoring system based on FUSE

Projects

Simple-XX Organization   Founder
2017.09
- Help students learn low-level knowledge and write code
- Partner of Open Source Promotion Plan
- Multiple topics: CPU, kernel, compiler, renderer, etc.
- Earn 2k+ star

National Innovation and Entrepreneurship Training Program   Owner
2019.12
- Research on mathematical formula Recognition based on machine learning

Open Source Contributions

EugeneLiu/translationCSAPP	CMU 15-213 Course video translation plan, participate in translation proofreading
xitu/gold-miner	Participate in the translation and proofreading of English technical articles and official tensorflow documents
Homebrew/homebrew-core	tool chain for kernel development
More...	See Github/MRNIU

Awards

2019	2nd Prize	The 5th China International College Students' 'Internet+' Innovation and Entrepreneurship Competition(Shaanxi)
2018	2nd Prize	The 12th iCAN International Contest of innovAtioN(China Finals)