Kangping Dong

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Education

2015–Present **MS in Network and Service computing, Supervisor: Linpeng Huang**, *Computer Science, Shanghai Jiaotong University*, expected 2018.

2011–2015 **BA in Micro Electronic**, *Electronic Engineering, Huazhong University of Science and Technology*.

Internship

2015 **Morgan Stanley**, *Technology & Data Department*.
Designed and implemented a simulator of *CNAPS2* system to help testing. It is Simulator that can receive and parse packages and send receipt to pretend to be *CNAPS2* system.

2014 **DJI**, *Navigation Department*.
Developed a coding style checking tool.I focused in parsing the C source file to generate a syntax tree and laoding style specifications on it. The Style specifications is configurable and it is quite easy to add more specifications with little work.

Projects

2015-present **Wgtcc**, *Compiler*, Independent Project.
Wgtcc is a small yet powerful C11 compiler. It implemented almost full C11 language standard including some advanced features: Static Assertion, Unicode String, Compound Literal, etc. A preprocessor is also included.

2016 **Julia**, *Web Serveice, Network Programming*, Independent Project.
Julia is a small and high performance http server and reverse proxy inspired by NGINX. Making use of non-blocking I/O and *sendfile*, Julia achieves 56K QPS of 1KiB static page on commodity machine.

2016 **Juson**, *Json, Parser*, Independent Project.
A json parser implemented in 500 lines C. Its performance beats 24 json parsers in this *benchmark*.

2015 **6502 CPU Emulator**, *CPU, Assembly*, Independent Project.
A software emulated 6502 CPU to help understanding virtual machine and interpreter. A 6502 assembler is also implemented to support running assembly code.

Awards & Performance

2015 **GPA Rank: 5%**.

2014 **First Prize in Electronic Design Contest in Provinces**.

2013 **Annual Best Students of HUST**.

2013 **National Scholarship**.

2012 **National Encouragement Scholarship**.

Skills

Languages **C ≥ C++ > Python > Rust**.

English **CET-4 549**, *fluent in reading and writing*.