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. The Simulator receives and parses message packages and sends receipt to pretend to be a *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 loading style specifications on it. The Style specifications is configurable and it is quite easy to add more specifications with little work.

Projects

2016-present	**NVDS**, *Storage*, Research Project.
	NVDS is a system that using nonvolatile memory in distributed storage system to provide fast replication and low latency. By synchronizing modifications on master to slaves with RDMA, it can replicate 256bytes in less than 5us latency. I am still working on this project.
2015-present	**Wgtcc**, *Compiler*, Independent Project.
	Wgtcc is a small yet standard 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 Server, Network Programming*, Independent Project.
	Julia is a small and high performance http server and reverse proxy. Making use of nonblocking I/O and *sendfile*, Julia achieves 56K QPS of 1KiB static page on commodity machine.
2016	**Juson**, *Json, Parser*, Independent Project.
	A lightweight fast json parser for C. Its performance beats 24 json parsers in this *benchmark*.

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