

Qiankun Zhuang

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Objective

To obtain a summer internship utilizing my skills on software engineering, algorithm designing and machine learning.

Education

- **Carnegie Mellon University (CMU)**, Pittsburgh, PA May 2016
Master in Biotechnology Innovation and Computation (MSBIC), Language Technology Institute (LTI), School of Computer Science (SCS)
- **Harbin Institute of Technology (HIT)**, Harbin, China Jul 2015
Bachelor of Engineering in Computer Science, GPA: 90.3/100; Rank: 6/169
- **National University of Singapore (NUS)**, Singapore Dec 2013
School of Computing, Exchange Student

Projects

- **Simple RISC CPU Design**, HIT Jun 2014 – Jul 2014
 - ◆ Implemented an instruction set with 10 commands, using VHDL and FPGA.
 - ◆ Applied RISC architecture.
- **Linux 0.11 Kernel Modification**, HIT May 2014 – Jun 2014
 - ◆ Read the source code of Linux 0.11. Ran Linux 0.11 on Bochs.
 - ◆ Added Swap Space feature to Linux 0.11 in support of virtual memory.
- **Simple Compiler for C**, HIT Apr 2014 – Jun 2014
 - ◆ Implemented Lexical Analysis, Grammar Analysis, Syntax Analysis and Code generation using C++.
 - ◆ Using python to generate state transition table.
- **2BeDone – Daily Task Manager**, NUS Sep 2013 – Nov 2013
 - ◆ Created desktop software for managing daily task to be done.
 - ◆ Applied common design patterns to improve the project's robustness, modularization, and extensibility.

Work Experience

- **Teaching Assistant in Advanced Programming Language**, HIT, Harbin, China Mar, 2012 - Jul, 2012

Honors & Awards

- Samsung Scholarship Nov 2013
- ACM/ICPC Asia Regional Jinhua Site, Honorable Mention Oct 2013
- National Scholarship from Ministry of Education of China Sep 2013
- Third Prize in ACM/ICPC Asia China Northeast Contests 2012 Jun 2012
- Third Prize in ACM/ICPC Asia Heilongjiang Province Contests 2012 May 2012
- People's First Class scholarship Mar 2012

Skills

- Programming Languages : C, C++, Java, Python, Matlab, VHDL, JavaScript
- Development Framework : jQuery, Bootstrap, Java Swing, MFC

Relevant Coursework

- Advanced Programming Language, Assembly Language, Data Structure & Algorithm, Software Engineering, Operation System, Compiler Principles, Machine Learning, Data Mining, Computer Network, Computer Organization & Architecture.