Zhuo Zhang

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Education

Tsinghua University — Beijing, China
- *BEng in Computer Science* — *Aug 2011 – Jun 2015*
  Bachelor of Economics, Second Major — *Sept 2012 – Jun 2015*
  - **GPA: 88 (36/124)**
  - **Honors:**
    * Zhang Minghua Integrated Scholarship (20%), Scholarship for New Applicants (20%)
  - **Courses:**
    * Artificial Intelligence, High Performace Computing, Advanced Database, Numerical Analysis, Computer Architecture, Network Programming, Search Engine

The University of Hong Kong — Hong Kong
Exchange Student in Computer Science Department — *Aug 2013 – Dec 2013*
  - **Courses:**
    * Operating System, Compiler, Database, Pattern Recognition, Advanced Algorithms

Experience

Hulu — Beijing, China
Software Development Engineer Intern — *Feb 2014 – July 2014*
  - Builded a web application based on Django for researchers to evaluate algorithms
  - Builded regular jobs to analyze data from log files on the Hadoop platform
  - Designed and implemented several online API services using Java

A HFT Firm — Beijing, China
C++ Developer Intern — *August 2014 – Now*
  - Building a high frequency trading platform from scratch in C++.

Skills

Experienced: C++, C, Python, Bash, SQL; Linux utilities

Familiar: Javascript, Haskell, Java; Hadoop, Django, Git

Intermediate: Scala; Unix Programming

Projects

StressAnalyser: A web app for microblog user stress detection. I implemented the algorithm backend which used bag-of-words model to do classification and tf-idf to extract stress keywords.

Kademlia: A python p2p app for sharing files and information among network nodes. Kademlia distributed hashtable protocol was implemented.

SingaporeMap: A web map of Singapore built to demonstrate serveral novel string-related algoritms' efficiency. It was built with google map js API, Flask and ctypes to call native functions.

Minicompiler: A toy-compiler to compile a C-like imperative language to a MIPS-like assembly written with bison and flex.

AntiMalware: A platform for detecting Android malware utilizing hundreds of labeled apps and machine learning algorithms.