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*
  - **Major GPA: 88.0/100**
  - **Honors:**
    * Zhang Minghua Integrated Scholarship (20%), Scholarship for New Applicants (20%)
  - **Courses:**
    * Artificial Intelligence, High Performace Computing, Advance 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

- **Face++** — Beijing, China
  Algorithm Developer Intern — *Dec 2013 – Jan 2014*
  - Implemented a picture filtering algorithm, using moment values of blocked pictures to detect similar ones
  - Building a web service to support filtering picture streams, using Redis queue for load balancing and python to interoperate with native C++ lib.

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.