

# 张卓

18600162706 mycinbrin@gmail.com

清华大学紫荆公寓 2#609A

## 教育背景

### 清华大学计算机系

北京

计算机科学与技术专业

08/2011 - 07/2015

经济学第二学位

09/2012 - 06/2015

· **Major GPA: 88(36/124);**

· 获奖情况:

· 张明华综合奖学金 (20%) 新生奖学金 (20%)

· 课程:

· 人工智能, 高性能计算, 高级数据库, 数值分析, 计算机系统结构, 网络编程, 搜索引擎

### 香港大学计算机系

香港

校派交换学习

08/2013 - 12/2013

· 课程:

· 编译原理, 操作系统, 高级算法, 模式识别, 数据库

## 工作经验

### Hulu

北京

推荐与个性化组

02/2014 - 07/2014

· 构建一个供研究人员可视化评估算法的网站 (Django)

· 依据日志统计点击率等信息 (Hadoop)

· 实现了几个在线服务 API(Java)

### A HFT Firm

北京

交易平台组

08/2014 至今

· 构建期货高频交易系统, 包括行情, CTP 报单, 回报等模块。

· 主要语言为 C++, 解决了许多低延迟高并发的问題。

## 技能

**熟练** C++, C, Python, Bash, SQL, Linux 常用工具

**熟悉** Javascript, Haskell, Java, Hadoop, Django, Git

**用过** Scala, Node.js, Unix 系统编程

## 项目经历

**微博压力检测:** 新浪微博用户的心理压力检测. 我是实现了算法后端, 利用词袋模型做分类预测, 利用 TF-IDF 做压力关键词提取.

**Kademlia:** 利用 Python Socket 实现一个 P2P 用户分享文件和信息的网络软件. 使用了 Kademlia 分布式哈希表.

**新加坡地图:** 使用 Js Google Map API 和 Flask 做出一个新加坡地图. 主要为了展示几种高级字符串检索相关的算法的性能. 使用 Ctypes 调用 C++ 动态库.

**MiniCompiler:** 利用 flex 和 bison 构建一个编译器, 源语言类似于 C, 目标汇编语言类似于 MIPS 架构

**AntiMalware:** 利用标注好的 Android App 恶意和普通数据集提取特征, 之后用 libweka 中的机器学习算法分类

# Zhuo Zhang

609A, Zijing Apartment 2#, Tsinghua University, Beijing

mycinbrin@gmail.com

(+86)18600162706

## 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 Performance 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*

- Built a web application based on Django for researchers to evaluate algorithms
- Built 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 several novel string-related algorithms' 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.