

张卓

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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: 88.0/100;**

- 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)

Face++	北京
核心技术组	12/2013 - 01/2014

- 实现相同图片过滤算法, 利用图片分块后计算的色矩特征比较
- 将图片过滤系统实现为 Web 服务, 利用 Redis 队列协同前后台

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

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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 Performance 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

- 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

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 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.