

Zhuo Zhang

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Education

Tsinghua University

- *BEng in Computer Science*
Bachelor of Economics, Second Major
 - Major GPA: 88.0/100
 - Honors:
 - * Zhang Minghua Integrated Scholarship (20%)
 - * Scholarship for New Applicants (20%)

Beijing, China

Aug 2011 – Jun 2015

Sept 2012 – Jun 2015

The University of Hong Kong

- *Exchange Student in Computer Science Department*

Hong Kong

Aug 2013 – Dec 2013

Experience

China Mobile Research Institute

- *IT Specialist Intern*
 - Designed IM protocols based on XMPP, SIP/RCS, EAS for mobile clients
 - Gave a lecture on Android architecture and development to the Product Team
 - Written a script for the team to automate workflow, saving time for other team members

Beijing, China

Jun 2013 – Aug 2013

Sunshine Library Rural Digital Education Initiative

- *Web Developer*
 - Setup a daemon for synchronizing files between six servers with Node.js and RabbitMQ
 - Added features for the project on file handling in Ruby on Rails, refactored code to get better flexibility and extensibility
 - Configured environment for new servers to work with the cluster

Beijing, China

Mar 2013 – Jun 2013

Skills

Experienced: C, C++, Python, SQL; Linux utilities, Flex&Bison

Familiar: Bash, Haskell, Java, Javascript; Rails, Django, Nodejs, MPI, Unix Programming; Git, JVM

Intermediate: C#, Matlab; Hadoop, GPGPU, STM

Projects

- *Minicompiler* Dec 2013

A toy-compiler to compile a C-like imperative language to a MIPS-like assembly written with bison and flex. It has support for array and recursive function.
- *AntiMalware* Nov 2013

A platform for detecting Android malware with several machine learning algorithms. Thousands of static features are extracted from labeled Android apps, then the trained model is used to classify unlabeled apps as malware or normal apps.
- *Gyro* Apr 2013

A mobile multi-player RPG game. I implemented the backend for communication between user with Node.js framework and long-polling.

张卓

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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: 88/100;	
· 获奖情况:	
· 张明华综合奖学金 (20%)	
· 新生奖学金 (20%)	

香港大学计算机系	香港
校派交换学习	08/2013 - 12/2013

工作经验

中国移动研究院	北京
IT 助理	06/2013 - 08/2013
· 为移动终端设计通讯协议, 基于 XMPP, SIP/RCS, EAS 等已有协议	
· 为产品团队就 android 系统架构及开发基础知识做讲座	
· 为同事开发自动报工的浏览器拓展	

阳光书屋计划	北京
网站开发	03/2013 - 06/2013
· 开发了在六台主从服务器间同步文件的后台程序, 利用 Node.js 和 RabbitMQ	
· 为 Ruby on Rails 的网站增加了附件上传储存预览等功能, 调整相应模块功能	
· 部分运维工作, 包括配置新服务器和调整数据库表	

项目经历

Minicompiler	10/2013
· 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	10/2013
· 获取 Android 恶意软件数据集, 并提取静态特征 500 多个	
· 利用 libweka 对数据分析, 并评估不同的分类算法	
· 开发一个简单的命令行工具, 可判断新的 App 是否为恶意软件	
Gyro	04/2013
· 在一个移动 RPG 游戏中设计并实现用户间通信的后台原型	
· 在客户端使用长轮询, 服务器端用 Node.js 做异步 IO	

技能

熟练	C, C++, Python, SQL, Linux utilities, Mysql
熟悉	Bash, Haskell, Java, Javascript, Rails, Django, Nodejs, MPI, Unix Programming, Git, JVM
了解	C#, Matlab; Hadoop, GPGPU, STM