覃兆坤

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教育经历

2014.09 – 2017.03	上海交通大学　电子信息与电气工程学院 计算机科学与技术　免试推荐	
2010.09 – 2014.07	中山大学　　信息科学与技术学院　　通信工程	

工作经验&项目经历

软件工程师实习生，微软亚太研发集团（上海）， Cloud & Enterprise 部门，**2016/7 – 2016/10**

- ✓ Archerfish 是微软团队开发的远程操作助手。我负责开发 window 远程调试工具的开发。我的开发使用 C#构建了基于用户界面框架（WPF）的程序，实现通过图形界面的开启远程服务器，自动同步保持远程服务器和本地主机文件，并且可以实现自动登录和开启调试工具软件。
- ✓ Azure 是微软近年来开发的云平台，提供用户数据的存储，计算和网络基础服务。我参与开发微软云平台门户网站应用，主要负责用户远程主机进程信息的查看模块。使用 typeScript 脚本语言实现。

应用开发实习生，腾讯公司（上海），CDG 社交与效果广告部门，**2016/3 – 2016/6**

- ✓ 腾讯 CDG 社交与效果广告部门主要负责腾讯广告业务，旗下的广告联盟运营管理平台实现对会员信息进行系统化管理和对会员运营情况进行数据监控。在项目中，我主要负责两个模块的后台逻辑开发。第一是会员关键事件的新建与查询，第二是会员数据进行统计和阈值警报功能。

后台开发实习生，eBay lnc，Hadoop platform and infrastructure 部门，**2015/8 – 2016/2**

- Apache Eagle（开源分布式实时 Hadoop 数据安全方案），项目实现了大型分布式系统自动化的监控和异常预警。
  - ✓ 编写 DockerFile 构建 Docker 镜像，将项目依赖的核心组件 Hadoop, Storm, Kafka, HBase 及项目源代码等安装至镜像中，并编写项目的启动脚本一键启动集群。解决了开发过程复杂的环境依赖和配置问题。
  - ✓ Spark Streaming 是 Eagle 中实时数据的流式处理引擎。主要负责将监控预警内容转化成独立的 DStream 组件，实现在 Spark 上。项目地址: https://github.com/apache/incubator-eagle

Noise Mapping: 构建城市噪声地图, 2014/3 – 2015/7

- 项目总负责人，这是上海交通大学计算网络中心实验室和微软亚研院的合作项目。项目的目标是基于移动群智感知构建城市实时细粒化的噪声地图。我是项目的总负责人，项目使用 java 开发，基于 Spring MVC 框架实现，我负责网站的后台逻辑开发。最后，在这个项目中，我提出基于半监督张量填充算法恢复稀疏的噪声数据，可以实现数据恢复精度达 76%。

专业技能

Java，算法与数据结构, Java Web, Spring MVC, Storm, Kafka , Linux

获奖情况&论文成果

- 国家励志奖学金, 2013 　　　　　　　　　　　　　　　华为奖学金, 2015
- 中山大学优秀奖学金一等/二等/三等奖学金, 2013, 2012, 2011 　　全国大学生数学建模竞赛广东赛区三等奖, 2012
- Zhaokun Qin*, Yanmin Zhu, "*NoiseSense: A Crowd Sensing System for Urban Noise Mapping Service* ", ICPADS 2016 (accepted)
- Zhaokun Qin*, Weigang Wu, Jiebin Zhang, "*Pa-MAC: Reliable MAC Broadcast for Ad hoc Networks with High Dynamicity",* Ad Hoc & Sensor Wireless Networks (AHSW), Old City Pub., 31(1-4), pp.47-68, Jan. 2016.
- Zhaokun Qin*, Zhang L, Jiang M. "*A dynamic subcarrier exchange scheme for SFR-aided LTE networks*" [J]. Physical Communication, 2014, 13: 133-141.

其他

GitHub: https://github.com/qinzhaokun .更多相关项目

Zhaokun Qin

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Education

M.S., Department of Computer Science, **Shanghai Jiao Tong University** Sep 2014 – Mar 2017 (postgraduate recommendation)

B.S., School of Information Science and Technology, **Sun Yat-sen University** Sep 2010 – Jul 2014

Work Experience & Projects

Software Engineer Intern, **Microsoft lnc (SH)**, Dept of Cloud & Enterprise, Jul 2016 –Sep 2016

- ✓ Joint development of Vim on Nano Server (a deeply refactored version of Windows Server for Azure host).

- ✓ Archerfish - Remote Debugging Console. A software to help developers remotely debug easily with Windbg and Visual Studio. Archerfish will atomically login in remote host, start debug process, detect file's change and atomically upload.

- ✓ Joint development of SysInternal project (manage on-premises machines from an Azure portal) in Azure. Learn and understand Azure and Azure Portal framework. Worked on related front-end development in this project.

Application Development Intern, **Tencent lnc**, Dept of social and effect advertising, Mar, 2016 – Jun, 2016

- ✓ Developed α Web Application (Member Information Management System) to manage and monitor the member and business data. I was responsible for the front-end and back-end development.

Software Engineer Intern, **eBay lnc**, Dept of Hadoop platform, Aug, 2015 – Feb, 2016

- ✓ Mainly contributor of open source project **Apache Eagle** (a real-time monitoring and alerting platform for distributed system). 1) Developed Eagle on Docker. Package all the components into Docker image and build up testing environment quickly. 2) Write Spark Streaming programs to execute user defined monitoring content.

  Project address: https://github.com/apache/incubator-eagle

NoiseSense: Urban noise mapping service, Mar, 2014 – Jul, 2015

- ✓ Worked as team leader, built real-time and fine grained noise map using mobile crowd-sensing. Developed Web service based Spring MVC framework, used Kafka-Storm to process real-time noise data streaming, and saved all data in MYSQL. Designed semi-supervised tensor completion algorithm to infer the missing noise data.

- ✓ More projects, please refer to https://github.com/qinzhaokun

Awards & Papers

- National Encouragement Scholarship, 2013   The Huawei Scholarship in Shanghai Jiao Tong University, 2015

- The First/Second/Third Price Scholarship in Sun Yat-sen University, 2013, 2012, 2011

- The Third Price of China Undergraduate Mathematical Contest in Modeling, 2012

- **Zhaokun Qin***, Yanmin Zhu, "*NoiseSense: A Crowd Sensing System for Urban Noise Mapping Service* ", ICPADS 2016

- **Zhaokun Qin***, Weigang Wu, Jiebin Zhang, "*Pa-MAC: Reliable MAC Broadcast for Ad hoc Networks with High Dynamicity",* Ad Hoc & Sensor Wireless Networks (AHSW), Old City Pub., 31(1-4), pp.47-68, Jan. 2016.

- **Zhaokun Qin***, Zhang L, Jiang M. "*A dynamic subcarrier exchange scheme for SFR-aided LTE networks*" [J]. Physical Communication, 2014, 13: 133-141.

Skills

Java, Algorithm, MYSQL Spring MVC, Storm, Kafka, Linux