卢奇

基本信息

姓名： 卢奇
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学校： 山东大学软件工程专业, 本科
语言能力： 英语四级

个人经历

2012-2013 山东大学ACM/ICPC集训队成员。ACM/ICPC是一个需要三个人团队合作在5个小时的时间使用一台电脑解决尽量多的问题的程序设计比赛，主要考察队伍的使用算法解决问题的能力。在我们团队中我主要负责算法的时间和出测试数据找到程序的bug。

项目经验

电影推荐系统研究 电影数据来自豆瓣网，使用Python爬虫爬取之后建立成文档，然后分析文档的特征向量，之后进行聚类分析对文本进行分类，最后根据目标用户的特征向量进行推荐，采用的是基于内容的推荐算法。

连锁酒店选址应用 在2014年微软编程之美决赛中，我们团队做的应用是连锁酒店选址应用。主要采用了主成分分析，聚类分析，和模拟退火算法等。利用Bing Map和Windows Azure对应用进行展示，最终获得单项第二名的成绩。在这个项目我主要负责聚类分析，模拟退火算法的编写和应用的展示。

正则表达式引擎 根据Thompson's algorithm使用Java语言编写正则表达式引擎，支持基本的正则表达式操作。依此写了一个判断正则表达式是否与字符串匹配的Apache应用，并部署在BAE上。

获奖经历

2014 2014年微软编程之美总决赛Top10。
2012-2014 ACM/ICPC山东省省赛亚军和ACM/ICPC亚洲区预赛铜牌2枚，银牌一枚。

个人能力

1. 能够较为熟练的使用Java，C++和Python，对于基础的算法掌握比较扎实。
2. 学习新知识的能力比较强，并且拥有一定的快速分析问题和解决问题的能力。
3. 良好的英语听说能力，善于与人沟通，能够清楚的表达自己的观点。

Qi Lu

Basic Info

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School:	Shandong University Software Engineering, Bachelor
Languages Skill:	Englist CET band 4

Personal Experience

2012-2013   Shandong University ACM/ICPC team member. ACM/ICPC needs 3 team members working together in 5 hours, it needs strong team consciousness. In my team, my duty is implement algorithms into codes, and help teammates fix bugs or generate data cases.

Project Experience

Movie Recommendation System   The movie data is from Douban. I write a python spider to crawl the Douban website, then get the document and analyze the feature vectors. I used cluster analysis to classify documents. And I use Content-based recommendation algorithm to get the recommendation movies.

Hotel Site Selection   In 2014 Microsoft Beauty of Programming contest final round, our team was developed an application called Hotel Site Selection. In this application, we used principal component analysis, cluster analysis, and simulated annealing. We showed our application using Bing Map and Windows Azure. Finally, we got the second place in the sigle item. In this project, I was in charge of implementing cluster analysis and simulated annealing algorithm and building the website.

Regular Experssion Engine   I implement my own regular experssion engine using Java based on Thomson's algorithm. The engine support the basic regular experssions. And I develop an Apache application based on my regular experssion engine which deploied in BAE.

Awards

2014   Top 10 out of the 18000+ player in the 2014 Microsoft Beauty of Programming.

2012-2013   Two Bronze Medals in the ACM/ICPC Asia Regional Contest and one Silver Medal in the ACM/ICPC National Invitational Contest.

2014   Second Place in Shandong Provincial Collegiate Programming Contest.

Self-assessment

1. Strong ability in Java, C/C++ and Python. Love and know most of basic algorithms.
2. Good self study ability, easy to get started in new technology.
3. Analyze problems and find out solutions rapidly.
4. Basic communication skills, can express idea clearly.