

Mr. Cao Hai

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Objective:

To obtain a challenging position as a Big Data engineer with an emphasis on software design and development.

Education:

09/2012~07/2015 College of Computer, Graduate School of Chongqing University, M.E.

09/2007~07/2011 College of Huanggang Normal University, B.E.

Academic Main Courses:

Mathematics、Algorithm Analysis and Design、Data Warehouse and Data Mining、
Pattern Recognition、Digital Image Processing、Web Service、Distributed System

English Proficiency:

Have a good command of both spoken and written English. Passed CET-4 ,CET-6.

Scholarships and Awards:

2014	CQU First-class Scholarship for graduate
2013	CQU First-class Scholarship for graduate
2012.	CQU First-class Scholarship for graduate
2010	National First-class Scholarship for undergraduate.
2009	National First-class Scholarship for undergraduate.

Qualification:

Excellent programming skills using C++、Java、Python and Bash on Unix/Linux, Object Oriented Programming

Familiar with J2EE Web Develop、Hadoop、Spark and other Big Data Technic.

Fluent User of Matlab, Familiar with R language, and Good knowledge of machine learning algorithms

Fluent in reading, writing and speaking English

Professional Research Experience

Wrinkled Chinese Handwriting-based Writer Identification

This program focus on Writer Identification under Wrinkled environment, It mainly use ScatNet and other machine learning algorithms to analysis the image of wrinkled chinese handwriting .Two academic thesis based on this program is publishing and relevant codes and thesis as follows:

https://github.com/matrixorz/writer_identification(code)

EI thesis--- Wrinkled Chinese Handwriting-based Writer Identification

Patent—A method of writer identification independent with content

Tmall Recommendation Prize 2014 & TianChi Open Data Project(2014-03~2014-08)

In this project, all data is on the ODPS(Alibaba's cloud platform),I have use logistic regression and collaborative filtering to analysis the customer's behaviors, To implement the algorithm, I have used Java to program on ODPS and Xlib(another data analysis tool in Alibaba),with the result of Top 150 of 7276 in the rank list and improving my data analysis skills in real-life.

Chinese Big Data technology innovation contest(2014-09~Now)

In this Project, the Big data Platform is Hadoop, Spark, Mahout. I have used algorithms in the Mahout to analysis the data of customer's behavior. The contest will be continue until 2014-12.

Stock Analysis Program

A Web-based program written by python. It make use of big data technology to predict stocks in the Nasdaq. The demo address is <http://trade.justpic.org> .and the code address is <http://github.com/matrixorz/openquant2>

Image Collaborative Retrieval System

A web-based program written by python and c language. It is a website relevant with image retrieval.It can increase the retrieval recall and precision by user's relevant response. The demo address is <http://lab.justpic.org> .

Other Programs

In the program of GSoC(Google Summer of Code),I have taken part in open-source program scikit-learn, the mainly task for me is maintain the help doc.

Other detailed information can be access at my personal blog(<http://i.justpic.org>) .

Extracurricular/Social Activities

A volunteer for Young Volunteers Association in the stage of undergraduate, and most time for travelling.

Self-Evaluation

Responsibility 、 passionate with new technology、 Proactive and efficient communication skills