yuan zhengfan

prepared software develop engineer

about

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languages

CET 6

programming

Python, Java, C$^\sharp$, C(++)
JavaScript
HTML5 & CSS3

tools

Linux, Android
Eclipse, Sublime Text, VS
Django, Tornado,
MongoDB

readme

learner, listener, D.I.Yer
Google is my friend

interests

mobile apps development, web development, data mining, NLP

education

since 2011	**M.Eng.** of Optical Engineering	OCER/NJU
	expected 2014.	
2007–2011	**B.Sc. magna cum laude**	Jinglin College/NJU
	Majoring in Computer Science and Technology	
	Major & minor award of *People's Scholarship*, Excellent member.	
	Monitor. Member of C.P.C.	

applications

2013 — Equipment Management Tools
Python & Android Research Project. Used for laboratory equipment management. It provide an mobile app and a web interface. The HTTP server also exposes RESTful apis. After used an Android phone to get the equipment's ID via the label on it, one can query the specific information of this instrument through those apis.

2013 — Distributed Weibo Crawler Framework
Python Research Project. A simple distributed Weibo crawler framework based on the project of *Xuye Qin*. It can get weibo data from Sina, NetEase, Tencent, Sohu, etc, and store them in MongoDB. A few effort has been made to use `zmq` for communicating between master and slavers, and `gevent` for parallel crawling.

2012 — Railway Ticket Management Software — with Shanghai Railway Bureau
Android Research Project. Installed on the Android based handhold device, to help crews with the ticket management. The app using a build-in camera to scan the QR-code on the very ticket. When failed to resolved the related ticket information of the QR-code, it tries to use the OCR method to identify the printed characters on it.

2011 — Web-based Monitoring Module in P2P VoD System — National 863 Program
C$^\sharp$ Course Project. I was in charge of data analysis and visualization, but also the implementation of the web interface.

experience

2012 — Trend Micro$^{©}$ campus program design competition
Team leader. We design an android LBS app which can give recommendation based on interest and personal preference and won the third prize in the division of China.

publications

YUAN Zhengfan, "Railway Ticket Management Software". Computer Software Copyright 2013SR042689. Nanjing University. May 2013

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