Minqi Pan

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Education

School of Mathematics, Capital Normal University, 2009 - 2013.

Seminar on Principles of Mathematical Analysis, Fall 2009 - Spring 2011.

Employment

CTO, Kejian.TV, Aug 2012 - present.

Ruby Engineer, Product Department, Zhaopin Ltd., Sep 2011 - Jul 2012.

Self-assessment

I love programming. I gained my National Computer Grade 2 certificate at age 12. I am a hard-working and proficient self-learner. Though I did not receive any formal programming trainings, all of my programming skills are self-taught and polished in real-world projects. Prolonged Self-teaching made me especially skilled in reading English academic literatures and technical documents, yet the lack of formal training in computer science is also a disadvantage for me. I am currently teaching myself more theoretical aspects of computer science and trying to become a mature researcher of the field.

Project Experiences

Kejian.TV (2012 - present)

Kejian.TV is a documentations-sharing system featuring online-presentation facilities. I done the initial construction work from scratch, tricky parts of which include, transcoding user-uploaded documents asynchronously to formats that suits online-reading, coordinating between several cloud storage services and remote transcoding services to reduce the central servers' I/O and CPU pressures, providing real-time tracking of uploading and transcoding progresses, automating backups of high-volume data.

System Available at http://www.kejian.tv/.

Wendao Career QA System (2011-2012)

Wendao is a Quora-like QA system. I Implemented the back-end of the system using Ruby.

I tuned the performance of the system to accommodate users of quantities now over half million, rewritten heavy-calculating content-suggestion programs using C++.

System Available at http://wendao.zhaopin.com/.

T2Ku System (2011 - present)

T2Ku aims at building a semantic wiki of mathematics featuring automated reasoning techniques.

I designed and crafted the user interface. The whole system is still in construction.

Source Code Available at https://github.com/t2ku/t2ku.

CNUKejian (2011)

CNUKejian is a courseware sharing system that I wrote in Ruby. It automatically reads course-information out of the URP Credit Education System, which is a system widely adopted by Chinese Universities. CNUKejian helps to foster an open courseware system by peer uploading and downloading.

Source Code Available at https://github.com/pmq20/CNUKejian.

Kao-Kao Dianping (2011)

Kao-Kao Dianping is an entrepreneurial project aimed at gathering customer Reviews to help the customer to pick the best training institutions for him. I was responsible for the technical work while my other two team members dealt with marketing.

Source Code Available at https://github.com/pmq20/kaokaodianping.

Stuinfo (2010-2011)

Stuinfo is a Student Information Management system I wrote in Ruby. It is now being used in the school intranet by the management staffs of my university.

Source Code Available at https://github.com/pmq20/stuinfo.

GRE Hack (2010)

GRE Hack is a commercial iOS app that I wrote to help the user get ready for the GRE test.

I wrote the program and also wrote the problem-solving strategy part of the actual data.

App for sale at http://itunes.apple.com/us/app/gre-hack/id367830524?mt=8.

Of P.S.V.R (2009)

Of P.S.V.R is a web application that I wrote in pure C programming language. It is an attempt to develop high performance cache-oriented web applications. After it's done, I posted its source code on the web and deployed it as my personal blog website.

System Available at http://blog.ofpsvr.org/.

Source Code Available at https://github.com/pmq20/BLOG-OF-P.S.V.R.

Open Source Contributions

I wrote the Ruby Gems "mathjax-rails", "magic_pragma".

I have submitted patches to several Ruby Gems.

Papers

Minqi Pan. (2012). T2Ku: Building a Semantic Wiki of Mathematics http://arxiv.org/abs/1201.5681/.

Development Skills

Expert in *C++* and *Ruby*.

Skilled in *Javascript*, *Objective-C*, *PHP*, *MySQL*, *HTML*, *CSS*, *Linux*, *jQuery*, *AJAX*, *SQL*, *Git*, *Vim*, *Nginx*, *Bash Scripting*, *OOP*, *Web Services*, *Agile*, *Unix*, *HTML5*, *REST*, *TDD*, *LATEX*, etc.

Honors, Awards, & Fellowships

Beijing City Fund for Undergraduate Research Project(CNU-BKC-11-0090), 2012.

2nd Rank Scholarship, Capital Normal University, 2011.

Scholarship for the Highest Score in CET-4, Capital Normal University, 2011.

Special Prize for Capital Normal University Programming Contest, 2011.

2nd Rank Scholarship, Capital Normal University, 2010.

Certificates

April, 2003: NCRE(National Computer Rank Examination) Grade 2

Miscellaneous

Github Account: https://github.com/pmq20

Stack Overflow Account: http://stackoverflow.com/users/740014/

Wikipedia Editor Account: http://en.wikipedia.org/wiki/User:Pmq20

Last updated: July 31, 2012