Zhen Xiaolei

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Project Experience

May 2013

An iOS remote controller of Yahoo! Web Player
Yahoo! Hack Day

Implemented a remote controller for Yahoo! Web Player based on the iOS. In it, we used a chrome extension to fit all web pages that consist Yahoo! Web Player. Node.js and faye to construct the server, and QRcode to match the smart phone and the web page

Mar 2012 - Oct 2012

Investigation and realization of white-box cryptography
Implementing the SMS4 white-box cryptography

In traditional cryptography, we always assume that the operating environment (terminal) of the cryptographic algorithms is safe. But in daily application, however, the assumption is not always right. The password software implementation is always fully visible to the attackers. So we need to protect the key with some special method, to prevent the attackers from getting the key by observing the memory or executing the cryptographic software.

Current, from Jan 2013

"Score Scratchcards", an extension of Chrome
UI design & algorithm improvement and correctness

After the School Registry website publish the score, the extension get it automatically and remind the user. The score is not directly presented to the user but in the form of scratch cards. The user can freely choose whether and when to scratch them, which can keep the score mysterious.

Current, from Sep 2012

"Easy Course", a social network for information of classes
UI implementation and system test

Due to the lack of a curriculum communication platform for college life, our team designed a website with ThinkPHP, JQuery and Bootstrap for curriculum communication. The website can automatically get the syllabus from the educational system of our school, according to which groups the users. Users can publish announcements, chat online and send messages to each other with SMS and email. GoogleCalendar is also supported to act as a reminder.

Work Experience

Current, From Aug 2013

Yahoo! Beijing Global R&D Center
Software Dev Engineer (Intern)

A Prototype of some information recommendation app of Yahoo!. Response for the iOS client.

Education

2010 – Present | **Bachelor of Computer Science**
School of Electronic Information and Electrical Engineering
Shanghai Jiao Tong University

Awards

2013.5	**Yahoo! Hack Day Hacker's Choice Award**
2012.2	**The Honorable Mention Prize (second prize) of the ICM (Interdisciplinary Contest in Modeling)**
2012	**School Scholarship Winner**
2011	**School Scholarship Winner**

Computer Skills

Basic Knowledge	JAVA, PYTHON, RUBY, PHP, LATEX, Linux, Ruby On Rails, Microsoft Windows, Objective-C
Intermediate Knowledge	JAVA SCRIPT, HTML, CSS, C
Proficient Knowledge	C++

Leadership and volunteer activities

Vice Chairman of Musicians Alliance, Shanghai Jiaotong University
Organized sveral Rock Live Shows comunicated with the musicians and managed the instruments.

Bassist of Some Rock Bands
Bassist of Yahoo! Inc Beijing Band and Roaming Hat Band of SJTU. Participated in many live shows.

Volunteer of Shanghai International Marathon
Participated in the preparation of the race.