

XIAOYI(KELSEY) ZHOU

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Professional Summary

I am looking for full time job for 2016 in the field of software engineering. Available from now.

Skills

- C, Assembly, Python, C++, JAVA Operating
 - System: Linux, Windows, Mac
 - Tools and Framework: Angular.js, Bootstrap, IDA Pro, MySQL, SQLite, Xcode, Drupal, Sublime, NetBean
- Web Design: HTML/CSS ,PHP, JavaScript, jQuery
SAP Experience: Terp10 training

Projects

CSCCHEDULE website Nov 2015 until now

Design the new website for cschedule software. I am doing internship at E2WSTUDY, LLC. The new page is still developing. At the end, customers are able to learn and download new version of cscheudle software. Here is the previous link of cschedule <http://www.cschedule.com>. But I want to change the whole UI.(All pictures and texts are used for test)Demo:<http://xiaoyizhou.info/dev/public/>

Personal Website I (non-academic) July 2015

The website is designed for Long Zhen, who just graduated from Purdue University this year. Demo:<http://lzhen.info/index.php> <https://bitbucket.org/xiaoyizhou/web-developer-2>

Family Communication Blog May 2015

The website is designed for my family members and personal interest. Family members are able to change message, send email and share mood alert and write note via this blog. Highly recommended for couples!<https://bitbucket.org/xiaoyizhou/cat>

Sender Certification Verification Mar 2015

In this project, I use one-way communication to reduce the communication burden meanwhile verifying sender's certification.Receivers can verify sender's identity without sending extra request in order to prevent man in the middl attack. The core skills related to this project includes PHP, HTML/CSS /JAVASCRIPT and SQL and etc. <https://bitbucket.org/xiaoyizhou/anti-phishing>

File Decryption Dec 2014

We are given a bunch of encrypted files and required to analyze the encryption algorithm. The final task is decrypt the files without corrupting the files. After that, we should analyze the source code of the files and figure out if the file is considered as an malware.

Malware Analysis Oct 2014

Using Vmware and Virtualbox to create a virtual enviornemnt to analyze malwares' behavior and come up with solution that how to prevent the system from being attacked by the certain malwares.Related skills: Disassembly; C++; Python; Decryption/Encryption; reverse-engineer.<https://github.com/xiaoyi910821>

Software Security Dec 2013

In this project, we performed a series of software vulnerability exploits. We explored unsafe and insecure programming techniques and also evaluated the efficacy of operating system defenses against them.https://bitbucket.org/long_zhen/cs526_proj2

Web Security Oct 2013

In this project, we performed a series of attacks to exploit some vulnerabilities in an online bulletin-board, called hackme. Our attack consists of several phases. We conducted cross site scripting, cross site request forgery, and SQL injection attacks. We were also required to implement modifications to the web site to prevent such attacks.https://bitbucket.org/long_zhen/cs526_proj2

Work History

Web Developer, 10/2015 to Current

E2WSTUDY – San Jose, CA

- Coordinated with systems partners to finalize designs and confirm requirements.
- Established compatibility with third party software products by developing program for modification and integration.
- Both front end and back end

Research Assistant, 05/2014 to 05/2015

Purdue University – West Lafayette, IN

- Working for Dr. Marc Rogers to proposal undergraduate security program curriculum. Analyzing documents related to our department works.

IT/Computer Systems Analyst, 06/2013 to 08/2013

Chinese Academy of Sciences – Beijing, China

- Assisted on application development for projects aimed to enhance information security. Consulted with campus organizations, advising them on how to use computers to increase efficiency.

Education

Master of Science: Computer and Information Technology, Current

Purdue University - West Lafayette, IN

Major: Computer and Information Technology

GPA:3.45/4.0

Bachelor of Science: Computer Science, 2013

Central Michigan University - Mount Pleasant, MI

Major: Computer Science

Minor: Business Information System

GPA:3.30/4.0

Personal Links

GitHub:<https://github.com/xiaoyi910821>

Profile Website: <http://kelseyzhou.com>

LinkedIn:<https://www.linkedin.com/pub/xiaoyi-zhou/89/a77/836>