Zhentian Zhang(Frank)

frank4work@hotmail.com • 688 N 7th St, San Jose, CA 95112 • +1(408) 307-4702

Education

The George Washington University, Washington, DC	*09/2014-06/2016*
Degree: *Master in Computer Science*	*GPA 3.77/4.0*
Certificate: *Computer Security & Information Assurance*	*GPA 4.0/4.0*

Technical Skills

- Programming Languages: JavaScript(favorite), Java, C, C#

- Web Development: ASP.NET, MS SQL server, HTML/CSS, JS/jQuery, PHP, MySQL

- Others: Data Structure& Algorithm, Internet Protocol, Cryptography, CyberSecurity

Internships

U.S. Committee for Refugees And Immigrants, Arlington, VA	*06/2015-11/2015*

Software Engineer Intern (Full-stack web developer)

- Developed both Front& back end details and did code reviews to the colleagues' design.

China Railway Eryuan Engineering Group Co.Ltd, Chengdu, China	*09/2013-04/2014*

Software Engineer Intern (C#)

- Tested and debugged the assigned MISs and leaded the documentation.

Projects

Project(In Class): Computer Architecture Simulator (Java)	*2nd Semester*

- Implemented a classical CISC computer, including the modules for floating point, vector operations and simple pipelining.

Project(In Class): DES Design & Analysis (Java)	*2nd Semester*

- Performed a differential analysis attack on a simplified DES(SPN) cipher.

Project(In Class): CF seller (Web Development & Security Analysis)	*3rd Semester*

- Developed an E-Commerce website(Front-end: HTML/CSS, JS/jQuery; Back-end: PHP, MySQL).

- Exploited and Fixed the vulnerability(mostly XSS, SQL injections) existing in our/peer's website manually/by OWASP ZAP.

Project(USCRI): ICLP - Browser-Based MIS	*06/2015-10/2015*

- Full stack developing in ASP.NET, C# and MS SQL server.

Project(USCRI): FAMCare - Browser-Based MIS	*08/2015-11/2015*

- Processed a project from sketch ideas to prototypes with full stack details using HTML/CSS, JS/jQuery, MySQL.

Project(Eryuan): EGIMS - GIS (C#)	*01/2014-04/2014*

- Found and fixed the security loopholes existed in the upload function of the system(fuzzing).

Project(In Campus): Gym Finder (Java)	*04/2012-03/2013*

- Designed an MS Access back-end and Google map based Android application.

Project(For Fun): Personal Website (HTML/CSS, JS/jQuery, PHP, MySQL)	*02/2016-Present*

- Developed a website from barely nothing to a well-organized self-oriented service system, in the meanwhile, accumulated hands-on experience of full stack development (including hacking skills).

Additional Information

Achievements: The 3rd Award(top 1%)(The Chinese Mathematics Competitions)

Management Exp.: Director(Public Relation Department in Undergraduate School Student's Union)

Papers: A Group Signature Scheme Based on Conic Curve in Finite Field GF (2n) (CI:TN918.1) (First Author)

Self-Study: MIT Open Courses(6.006, 6.851, 6.034), Douglas Crockford's Lectures on JS, *Effective JavaScript*, TED Talks,.

Personal Interests: Soccer, Ping-Pong, Badminton, music, History, Video Games, Board Games

My Goal is to become a JavaScript full-stack developer(including the security stack!)