

YUGUANG LI

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OBJECTIVE

A position in the field of web or software development with special interests in using and learning all kinds of new and innovative cutting-edge techniques

EDUCATION

Boston University, College of Engineering Boston, MA September 2011 - May 2013
Master of Engineering in Electrical and Computer Engineering, GPA: 3.77/4.00

Xi'an Jiaotong University Xi'an, Shaanxi, P.R. China September 2006 - July 2010
Bachelor of Engineering in Electronics and information Engineering, GPA: 85/100

EXPERIENCE

RapidSOS,LLC May 2014 - Present
Web Developer Boston, MA

- Working mainly on backend and telephony stuff using python and Django frameworks
- Participated to implement the REST APIs and QA testing for the backend using Django REST framework
- Arranged for the asterisk telephony server behind the nginx proxy web server under HTTPs on AWS
- Designed the Class-based automated message generate modules for Interactive Voice Response(IVR)
- Implemented the telephony applications on asterisk server by python and Asterisk REST APIs

The Laboratory of Networking and Information Systems July 2013 - March 2014
Research Assistant on Prof. David Starobinski's team Boston University, Boston, MA

- Helped to research mainly on topics of Networking and Cyber Security
- Established a lab curriculum for graduate course EC521: Cyber Security
- Designed the course contents: SQL injection, password cracking, nmap, network attacks and Snort
- Arranged for the lab environment with Kali Linux and Metasploitable2 under VMware Workstation

PROJECTS

Cloud-based Cyber services for Smart Lighting April 2012 - April 2013

- A Master of Science equivalent graduation project for a web application design using J2EE
- Compared the existing Cloud services and came up with an optimal solution: Amazon Web Service
- Designed multithread chat server and socket communication between client and server
- Designed and implemented the front end using HTML5, CSS3 and Javascript
- Deployed the web application onto Cloud with sample database and tested all the functions

Applications of Accelerometer Network September 2011 - December 2011

- Used Crossbow MTS400 wireless sensors (TinyOS motes) programmed in nesC
- Analyzed the data packets transferd between Crossbow MTS400 wireless sensors
- Developed the integral algorithm to detect motion of the motes using accelerometer sensor
- Designed and implemented the GUI in matlab for displaying and controlling the motion curve

TECHNICAL STRENGTHS

Computer Languages & OS
Databases & Tools
Protocols & APIs
Servers & Cloud
Frameworks

Python, Java2E, JavaScript, HTML5, CSS3, Ubuntu, OS X, Windows
Postgres, MySQL, Git, Github, Vim, Matlab, Wireshark
HTTP, HTTPS, SIP, RTP, JSON, XML, REST
Nginx, Unicorn, Apache2, Tomcat7, Asterisk, AWS
Django, Strut2, Spring