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 Engineering, GPA: 3.77/4.00

Xi'an Jiaotong University Xi'an, Shaanxi, P.R. China September 2006 - July 2010
Bachelor of Engineering in Automation Engineering, GPA: 85/100; SiYuan scholarship

EXPERIENCE

RapidSOS,LLC May 2014 - Present
Software Engineer *Boston, MA*

· Working mainly on the backend and telephony stuff using python and Django frameworks
· Participated to implement the REST APIs and QA testing for the backend with 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
· Implemented the interconnection library to call for the partner's 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	Python, Java2E, JavaScript, HTML5, CSS3; Ubuntu, OS X, Windows
Databases & Tools	Postgres, MySQL; Git, Github, Vim, Matlab, Wireshark
Protocols & APIs	HTTP, HTTPS, SIP, RTP JSON, XML; REST
Servers & Cloud	Nginx, Gunicorn, Apache2, Tomcat7, Asterisk; AWS
Frameworks	Django, Strut2, Spring