

# Shuyi (Christina), Xu

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## ACADEMIC EDUCATION

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### University of Southern California(USC), Los Angeles, CA

(Anticipated) May. 2017

Master of Science, Computer Science

GPA: 3.65/4.0

### Beijing University of Technology, Beijing, China

Jun. 2015

Bachelor of Science, Information Security

GPA: 3.91/4.0

## WORK EXPERIENCE

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### SOHU-SOHU Focus, Data Analyst Summer Intern, Beijing, China

Sep. 2014 – Nov. 2014

- Explored the market trend by analyzing the data of real estate advertisement with Excel and SPSS
- Provided value analysis reports for SOHU policy and operations departments.

## TECHNICAL SKILLS

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**Programming Languages:** C++, C, Java, Python, Matlab, HTML, jQuery, PHP

**Tools:** Openstack, Microsoft Visual Studio, Eclipse, NetBeans, Android Studio, Amazon AWS, SPSS

**Networking protocols:** TCP/IP, ICMP, UDP, RIP, OSPF, EIGRP, NAT, ARP, ACL, VLAN, VTP, STP, WLAN

## PROJECTS EXPERIENCE

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### Weather Forecast --Web and Android Applications

Oct.2015

- Built a back end application that gets geographic coordinate of location and weather information on Amazon Web Services (AWS) with PHP;
- Designed front end interface for showing weather information with HTML5, CSS3, jQuery and Bootstrap. Implemented mobile version using Android Studio.

### Cloud risk management system

Feb. 2015 – Jun. 2015

- Implemented a risk management module that identifies the illegal user and reject cloud resources request according to the security strategy;
- Generated security strategy and controlled the scheduling process of virtual machines in Openstack by analyzing Docker's configuration and implementing a filter algorithm using Python.

### Company's network design

Jul. 2014

- Designed and implemented a network for a company that satisfies their communication and security requirements;
- Configured routing and security protocols including OSPF, NAT, ACL, Lan to Lan VPN, SSL VPN, easy VPN, Server configuration of DMZ area in Cisco ASA, routers and switches.

### Traffic rules and performance analysis system

Jan. 2014 – Feb. 2014

- Built a mathematical model to analyze the performance of specific rules in different traffic conditions;
- Implemented the simulation module of traffic performance with the combination Cellular Automaton and symbiosis theory by using Matlab.

### Software behavior reliability analysis system

Jul. 2013 – Dec. 2013

- Proposed a new software behavior reliability measurement methodology that overcomes the lack of precision, singleness in measurement in traditional ways.
- Proposed and implemented a new data mining algorithm called SDAP algorithm using C++;

## SCHOLARSHIPS & HONORS

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- CCNA Network Engineer Permit of Cisco Systems, Inc., USA
- First honor in Mathematical Contest in Modeling (top 8%)

Jan. 2014

Feb. 2014