

# Sherry Xu

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*Objective: I am currently exploring potential options for a full-time software engineering position*

## UNIVERSITY OF CALIFORNIA AT BERKELEY

**Computer Science**  
Present – Dec 2015

**Integrative Biology**  
(Human genetics focus)  
Present– Dec 2015

## PROGRAMMING LANGUAGES

### Development

Python  
Java  
C/C++  
Scheme  
Linux/Bash  
Git

### Web Design

HTML/CSS

### Application Design

Android  
XML  
Photoshop  
**Other tools**  
SQL  
Docker  
Marathon/Mesos  
Jenkins

## COURSEWORK

User Interface Design  
Artificial Intelligence  
Networking  
Algorithms  
Data Structures  
Computer Architecture  
Databases  
Circuits  
Operating Systems

## Work Experience

**SOFTWARE ENGINEER AT CISCO JASPER** ..... Winter 2015-Present  
*Full Time Software Engineer (Cisco Jasper IOT Software Platform Team)*

- Built continuous integration and continuous deployment (CICD) pipeline for containerized microservices deployment using Docker, Marathon, Mesos, Jenkins, Chronos, and Artifactory
- Implemented data pipeline applications for batching and compression of messages, rule engine processing of messages, billing, various APIs, and a web application for testing rules against data.
- Built multiple infrastructure functionalities for management and deployment of microservices including handling stuck deployments, rolling back faulty deployments, and logging
- Worked on VM provisioning and config scripts using ansible, improved cluster stability dramatically
- Experience working with MQTT, Kafka, redis, Cisco 8x9 gateways, and Raspberry pi.

**INTERN AT CISCO** ..... Summer 2015  
*Software Engineer I Intern (Core software group – Data centers)*

- Built automated regression system for code base on Apache Tomcat and Jenkins, runs in background, prevents developers from pushing code that breaks any unit test
- Refactored multiple 1000+ lined files for nxos and ios operating systems on the switches, rewrote existing and new unit tests, added new functionality utilizing TDD.
- Implemented more optimized versions of existing python scripts by using more efficient different data structures reducing overall run time by over 5-10 minutes.

**INTERN AT TREND MICRO** ..... Summer 2014  
*Software Development Intern*

- Worked on the new product CloudEdge, version two of DeepEdge, a product designed for workplace IP monitoring and network security (spam filter implementation)
- Worked on migrating logs from Amazon Cloud to Alibaba servers
- Worked on UI for overall product

**INTERN AT ZTE CORPORATION** ..... Summer 2014  
*Software Intern*

- Built a clear, effective UI for digital tags on the optic fiber optic cable heads that displayed header information of the packets
- Worked on Android UI for Nubia X6
- Engaged in an ongoing patent case (ZTE vs Vringo), learned about entire company flow from receiving new customers, design, planning, R&D, manufacturing, delivery, and management.

**INTERN AT SAN JOSE CITY HALL** ..... Summer 2010  
*Management Intern*

- Took detailed notes, answer phone calls professionally, Interacted with constituents on a professional level to solve problems and manage large projects.
- Planned and wrote the script for an educational video on teaching citizens how to advocate at City Hall.

**LAB ASSISTANT NACHMAN LAB (MUSEUM OF VERT. ZOOLOGY)** ..... Spring 2015-Present  
*Lab Technician*

- Built website and database as part of the museum of vertebrae zoology for other researchers to easily access information about our lab's specimens and genetic information.
- Conduct dissections and experiments, data aggregation, analysis, and interpretation

**EMT AT BEAR EMS/KING AMERICAN AMBULANCE** ..... Summer 2012-Spring 2013  
*First Responder*

- First response to 911 calls - Interacted with patients and treat injuries ranging from minor to life threatening.

## Leadership

**COMPUTER SCIENCE UNDERGRADUATE ASSOCIATION** ..... Summer 2013-Fall 2015  
*Vice President Industrial Relations (Fa 14), Events Manager (Sp 14), Secretary & Treasurer (Su13-Fa13)*

- Maintained computers by replacing necessary hardware in the computers when they break, and helped manage the LDAP servers.
- Spearheaded club events, work with numerous companies in planning dozens of events and connecting industry and students, secured company sponsorship and funding for club

**CALHACKS** ..... Summer 2014-Fall 2015  
*Director and Cofounder*

- Founding member for CalHacks, the first and largest mega-hackathon in the Bay Area (1,500+ attendees)
- Organized and planned long term goals and logistics, established lasting relationships with companies. Worked with peers on long term projects solidified teamwork skills.
- Overcame logistical challenges, made announcements and speeches at event

## Projects

### MOBILE AND WEARABLE(SMARTWATCH) APPS

- Built a smart keg(Keggerator) for Cisco's IOT demo at Grace Hopper 2016
- Built a beacon, smartwatch, and android shopping system, presented to Qualcomm VP
- Built a drawing application supporting Flickr API push/pull, gps tracker, and smartwatch integration for Android

### OTHER PROJECTS

- Created a cooking mod for Minecraft via Java and photoshop, made new recipes and food types.
- Implemented Conway's game of life in 3D using python and pygame