### Education

### **UCSC(University of California Santa Cruz)**

M S IN COMPLITER SCIENCE

Santa Cruz, California

Sep. 2016 - Present

### SJTU(Shanghai Jiao Tong University)

**B.S. IN MATERIALS SCIENCE** 

Shanghai, China

Sep. 2012 - June 2016

### Skills

Experienced Git, Golang, PHP, JavaScript (Node.JS), HTML, CSS, MATLAB, AngularJS, Express, Laravel

Intermediate Java, Ruby, Python, SQL, MySQL, Redis, Rails **Basic** Scala, C, Shell, Docker, Hadoop, HBase, Hive

## Experience\_

#### Systems Research Lab: Research assistant

TECH: CASSANDRA, DOCKER, CONSUL, JEPSEN

UC Santa Cruz, California

Shanghai Jiao Tong University

Oct. 2016 - Present

- · Work on hybrid distributed time series and graph database for analytics as master thesis
- Validate distributed systems correctness by using and extending Jepsen with PhD students

#### CIT Lab: Research assistant

TECH: JAVA, NETTY, KAIROSDB, CASSANDRA, ZOOKEEPER, KAFKA, PROTOBUF, SIGAR, DROPWIZARD

- Build a distributed system monitoring and predicting prototype with China Telecom Shanghai
- Coauthored the paper CPU load Prediction based on a multidimensional spatial voting model

### GitCafe: Software Engineer Intern

TECH: GIT, RUBY, RAILS, ELASTICSEARCH, SCSS, JQUERY

· Optimize markdown parser and improve user subscription logic

### Shanghai, China

March. 2015 - Nov. 2015

Jan. 2015 - March 2015

### Dongyue Web Studio: Full stack web developer & President

WEBSITE: http://dongyueweb.com Tech: Git, PHP, JavaScript, MySQL, Redis, AngualrJS

- Lead web and mobile development of http://tongqu.me
- Build RESTful API and rich internet application using Laravel, AngularJS and BootStrap

### Shanghai Jiao Tong University

Shanghai Jiao Tong University

Sep. 2013 - Jan. 2016

# Proiect\_

#### Tongqu.me (Online event booking & social platform): Project Leader & Tech Lead

WEBSITE: HTTP://TONGQU.ME TECH: MYSQL, REDIS, MESSAGE QUEUE, RESTFUL API, SOCKET.IO

- · Handle concurrency by using Redis for cache and rate limit, increase QPS by 120% for special event
- Increase daily active user from 5,00 to 3,000. Became the most popular in campus mobile app
- Support booking movie tickets and sports venues, integrate with Alipay for online payment

### Xephon-B: Time series database benchmark: Project Leader

REPO: HTTPS://GITHUB.com/xephonhq/xephon-b Tech: Mesos, Kubernetes, Docker, Golang

UC Santa Cruz, California Oct. 2016 - Present

Sep. 2013 - March 2015

- A novel benchmark tool and standard for (distributed) time series databases specifically
- A platform where researchers and vendors can share their benchmark result and compare both vertically and horizontally

### Distributed systems monitoring and predicting prototype: Tech Lead

Shanghai Jiao Tong University

TECH: JAVA, NETTY, KAIROSDB, CASSANDRA, ZOOKEEPER, KAFKA, PROTOBUF, SIGAR, DROPWIZARD

March 2015 - Nov. 2015

• Found memory and disk usage problem of a China Telecom Strom cluster

· Store and query infrastructure metrics using KairosDB (a time series database based on Cassandra). Using Netty for internal protocol.

### Scala linter: Project Leader

Shanghai Jiao Tong University

REPO: https://github.com/at15/scala-linter Tech: Scala, Compiler, Functional Programming

March 2015 - June 2015

• A compiler plugin that checks dead code and style problems. Generate autofix and html report

• Contribute to Scala official documentation