Pinglei Guo

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EDUCATION

MS. Computer Science University of California Santa Cruz **GPA 4.0**   *Sep. 2016 – June 2018*

Distributed systems, Analysis of Algorithm, Database Systems, Storage System

BS. Material Science Shanghai Jiao Tong University **GPA 3.3**   *Sep. 2012 – June 2016*

EXPERIENCE

PayPal: **Software Engineer Intern**   San Jose, California *June 2017 - Sep. 2017*

- API gateway for microservice using Golang, auto test and deploy using Jenkins CI and Docker on Mesos
- Admin Dashboard using Angular 4, Semantic UI and TypeScript for internal container orchestration
- Full text search using Apache Solr, wrote a new Golang client https://github.com/at15/go-solr

University of California Santa Cruz   Santa Cruz, California *Nov. 2016 – Present*

- Benchmark suite for time series database `https://github.com/xephonhq/xephon-b`
- Distributed time series database with multiple backends `https://github.com/xephonhq/xephon-k`

GitCafe: **Software Engineer Intern**   Shanghai, China *Jan. 2015 – Mar. 2015*

- Web application using Ruby on Rails and AngularJS. Use ElasticSearch and MongoDB as backend storage.

SJTU CIT Lab: Research assistant   Shanghai, China *Mar. 2015 – Jan. 2016*

- Distributed system monitoring and predicting prototype in Java using Cassandra and ElasticSearch
- Interactive dashboard for data visualization and exploration using AngularJS as a single page application.

Dongyue Web Studio: Full stack web developer & President   Shanghai, China *Sep. 2013 – Jan. 2016*

- Lead web and mobile development of `http://tongqu.me` increased daily active user from 500 to 3,000
- Build high concurrent PHP+MySQL application using Redis as cache and queue, increase QPS by 120%
- Built RESTful API and rich internet application using Laravel(with HHVM), AngularJS and BootStrap

PROGRAMMING LANGUAGE

Experienced	Golang, Java, PHP, JavaScript, Node.JS, HTML, CSS, MATLAB
Intermediate	C, C++, Python, Shell, SQL, C#, Ruby, TypeScript, SCSS
Basic	Scala, Clojure, Haskell

SOFTWARE & FRAMEWORKS

Experienced	Git, Angular, Vagrant, Ansible, Dropwizard, Laravel, Express, jQuery, BootStrap, ANTLR
Intermediate	Docker, MySQL, Redis, Hadoop, MongoDB, ElasticSearch, Rails, Spring, ASP.NET, D3.js, React
Basic	Cassandra, KairosDB, OpenTSDB, InfluxDB, Prometheus, Graphite, Kafka, HBase, Hive, Netty, Spark

PROJECT

Xephon-B: Time series database benchmark suite: Project Leader   UC Santa Cruz *Oct. 2016 – Present*

- `https://github.com/xephonhq/xephon-b` is a benchmark suite for distributed time series databases.
- Using Golang to generate load and using Docker and Mesos to setup test database clusters on AWS.