

Chenfan (Frank) Sun

chenfs@cs.washington.edu
(425) 985-6915

EDUCATION

University of Washington

Degree: BS in Computer Engineering

CSE GPA: 3.79 / 4.0 – Annual Dean's List (2013 – 2015)

Seattle, WA

Jun. 2013 – Present

Anticipated Graduation Date: Jun. 2017

SKILLS

Courses Completed: Data Structures and Algorithms, Hardware/software Interface, Probabilities, System Programming, Intro to Digital Design

Languages: Proficient: Java
Familiar: C/C++ | Python | JavaScript | MatLab | PHP | HTML5 | CSS

RELATED EXPERIENCE

- **Department of Computer Science and Engineering** Teaching Assistant Sept. – Present 2015
 - Teaching Assistant for Hardware/Software Interface, a class will give student expose on how computer works.
 - Helping students ace the class, giving them as much help as possible.
 - Giving section once a week to reiterate the material given by the instructor, making sure students not getting lost.
- **Yahoo! San Francisco – Flickr Team** Software Engineering Intern Jun. – Sept. 2015
 - Built an auto-failover distributed system for Redis using Consul, docker and Sentinel.
 - Wrote docker images to containerize Redis, Consul and Sentinel for development and production.
 - Wrote integrated test scripts to solidify the failover functionality of the system.
 - Wrote scripts to generate Sitemaps for Flickr using Hadoop, Oozie and Pig Latin.
 - Implemented the spouts and bolts for Storm as a Real-time computing component for an aggregation framework.
- **UW Computer Architecture Lab** Undergrad Research Assistant Jan. – July. 2015
 - Implemented Yahoo! Cloud Serving Benchmark client side for Redis Cluster.
 - Used YCSB to benchmark No-SQL databases like Cassandra, Redis (Cluster), HyperDex – figured out Pros and Cons to implementing Phase Reconciliation.
 - Blog post about research summary: dmfcfpr.blogspot.com

PERSONAL PROJECTS

- **Google CodeU Program** ApkTransfer Android App Mountain View, CA
 - Android App that supports wireless transfers for files through LAN WiFi.
 - App will auto-install the targeted file if it ends in .apk.
 - Lightweight Java http server as backend and a File Explorer to let user manipulate the file.
- **Yahoo Hackday** Flickr Menu Bar Flickr Explorer Sunnyvale, CA
 - A MacOS menu bar explorer for Flickr photos by using Flick API and Swift
- **Pacific Northwest Collegiate Hackathon** GermaCodia Seattle, WA
 - A competition platform that accepted user's germ (JS code), ran and competed it with others through Game Engine runs in JavaScript
 - An online (JS) version of Critter (a UW intro CS course project)

PERSONAL DEVELOPMENTS

- ACM Student Members
- ACM-ICPC International Collegiate Programming Contest, 4th Place at UW (October 2014)
- **Interests:** Camping, Hiking, Playing Basketball, Playing Guitar, Reading, Swimming, Watching Movies
- **Language:** Chinese, Shanghainese, English