

Chunyi Li

chunyi.li@sjsu.edu | 650.529.5258 | 1055 Escalon Ave. Apt 703, Sunnyvale, CA, 94085

| GitHub: <https://github.com/chunyiili>

EDUCATION

M.S. SOFTWARE ENGINEERING | Expected Dec. 2016

San Jose State University, San Jose, CA

GPA: 3.762

M.S. COMPUTER SCIENCE | Dec.2014

Stevens Institute Of Technology, Hoboken, NJ

B.S MATERIAL SCIENCE | Jun. 2012

Tianjin Polytechnic University, Tianjin, China

RELATED COURSEWORK: Java/C++ Programming, Enterprise Distributed Systems, Cloud Technology, Virtualization Technology, Network Architecture, Object-Oriented Programming, Operating System, Database, Smartphone application development

INDUSTRY EXPERIENCE

Summer intern in Stubhub

Jun. 2016- Aug.2016

- Developed an API health check tool which is used to monitor production and testing environment of Stubhub
- In the front end, developed a Web UI which helps users easily and conveniently configure the rest API they want to test. In addition, developed another web page which is used to display the Stubhub APIs and their corresponding testing reports.
- In the backend, stored the API that user configured into the database, and then built a job on Jenkins which can periodically ping these APIs and generate reports.
- Using AngularJS, JQuery to develop the front-end, using Node.js to develop the back-end.

COURSE PROJECTS

My-Redfin for IOS

Apr. 2016

- Developed an IOS application that can be used for users to find a place to rent or for landlords to post their houses
- Implemented the function that users can search for houses, in addition, they can add filters to find their preferred homes, such as house type, price range, #bedrooms and #bathrooms, etc.
- Users can set posts as their favorites and receive the notifications
- Landlords can post information and details of the house on this app
- Integrated with the Google login and Facebook login API
- Support map view of all posts on app

My-Yelp for Android and IOS

Mar.2016 – Apr. 2016

- Developed an android application that can be used to find restaurant
- Integrated with Yelp API for searching
- Integrated with google place API support the place picker
- Connect to CouchBase Lite database, can save your favorite restaurants

Minesweeper for Android

Mar.2016

- Developed a Minesweeper game
- Support screen rotation
- App address: <https://play.google.com/store/apps/details?id=edu.sjsu.chunyiili.minesweeper>

URL Shortener Service using AWS and Heroku

Nov. 2015 – Dec. 2015

- Developed a heroku-based app to handle URL shortening requests with average response time less than 20 ms
- AWS Elastic Load Balancing (ELB) and Auto Scaling used to scale our app. Each instance can handle over 1500 RPS.
- Used AWS RDS to store information and AWS DynamoDB to keep trends
- Used AWS SQS as the message bus in the architecture
- Tested partition tolerance of mongoDB on AWS

Management Application for Wearable devices

Jul. 2015 – Aug. 2015

- Designed Wearable Devices service within a Jersey framework and referred the LWM2M specification to simulate the IoT
- Used java language to developed the client and server side functions and used AngularJS to developed the UI for Device management
- Used MongoDB to store information
- Implemented the registration, bootstrap, device management and the notify interfaces
- Able to support 500 devices for each instance.

UML Parser

Sep. 2015 – Oct. 2015

- Developed a parser that could convert Java source code into a UML diagram
- Used java parser and reflect to get information of classes and used PlantUml to draw the diagram
- 1200 lines of code

Design A Database For A Delivery Company

Mar. 2015 – May. 2013

- Designed a database for a delivery company that customers could track and send packages
- Designed an UI by using Ruby on Rails which was convenient for customers and employs to do operations
- Used MySQL database
- 2600 lines of code

SKILLS

Programming: Java • Ruby • C++ • HTML • NoSQL/SQL • Node.js • JavaScript • CSS

TOOLS: MySQL • MongoDB • OracleDB • JQuery • AWS • Git • AngularJS • KVM • Linux/Mac/Windows