

Xiaolu(Lucia) Yang

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Summary

- Solid skills in Java, Golang, Javascript, SQL, and Shell scripts. Also know C, C#, Objective-C.
- Proven experience in developing software, managing database and operating & testing applications.
- Familiar with development tools including Docker, Postgres, CouchDB, AWS, Drill, Git, Bitbucket, GitLab, SVN, IntelliJ IDEA, Eclipse, VSCode, PHPStorm, iTerm2.
- Strong problem-solving, excellent teamwork and communication skills.
- Actively seeking full-time job as Software Engineer from 2017May. Also available for part-time job now.

Education

- **Rutgers-New Brunswick** (2015/09 – 2017/05) — — Master in Computer Science
- **Tianjin Polytechnic University** (2010/09 – 2014/06) — — Bachelor in Network Engineering

Full-time /Internship Experiences

Back-End Web Developer (Intern) — — ApplySquare Technology Co.,Ltd

05/2016~09/2016

Developed back-end applications using Docker and wrote Unit Tests. The applications are as follows:

- Acquired, parsed and stored real-time user informations and actions in JSON format using Python and Golang, while they were scanning the website. We stored different schemas of data in local files, AWS, and CouchDB.
- Implemented an internal query tool using Haml, CSS, JavaScript, Golang, Restful APIs(ApacheDrill) for querying big data(of users). This tool made our data analysis much more effective.
- Implemented an effective tool called *Dumper*, which helps us dump files between couchDB, local files and S3(AWS).

Stock Assistant (Project / 5-People Group)

01/2016-04/2016

It's a StockPrediction system, which could collect the real-time data and history data, and predict prices using Naive Bayes, ANN(long-term prediction) and SVM(short-term prediction).

- Built the website with XAMPP stack to implement the function of retrieving stock data from Yahoo Finance API, storing and managing the data.
- Wrote PHP code to implement the function of back-end data transferring and connecting database.
- Implemented front-end using HTML/CSS, Javascript, AJAX GoogleChart API.

Handwriting Digit Recognition (Project / 5-People Group)

01/2016-04/2016

Focused on the difference between Convolutional and Spiking Neural Networks

- Implemented SNN to recognize handwriting numbers, and completed part of CNN to do the same job.
- Analysed each of these methods performance and adjust some parameters for comparison and found out many parameters (like learning rate) and techniques (like dropout) strongly influenced the accuracy.

Clipboard Testing (Project / 2-People Group)

09/2015-04/2016

Test a Clipboard Management software by four steps: black-box testing, white-box testing(Unit testing, integration testing), mutation testing and regression testing.

QA&Tester (Full-time) — — Beyondsoft Technology Co.,Ltd

11/2014~06/2015

Test the front-end of the website: www.sogou.com in Sogou Company

- Designed the test process, analysed user cases and wrote the test cases for all project
- Deploy fake environment for testing with Linux command and shell.
- Read and practiced a lot front web code like JavaScript, XML, XSLT, XSL etc.

Book Management System(Project)

02/2012-06/2012

Designed and optimized java applications and helped maintain and managed database system of books' information

- Designed schema by ER model, stored all book informations in MySQL
- Implemented basic functions in C#, like adding books, searching.