

Zhiyuan Yang

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EDUCATION

Northeastern University Seattle, WA, Sept. 2015-Dec. 2017(Expected)

Master of Science in Computer Science, GPA: 3.7/4.0

Relevant Courses: Program Design Paradigms, Database Management System, Web Development, Algorithms

Sun Yat-Sen University (SYSU)

Guangzhou, China, Sept. 2011-Jul. 2015

Bachelor of Science in Computer Science, GPA: 3.7/4.0

Relevant Courses: Computer Programming, Advanced Algebra, Discrete Mathematics, Data structure and Algorithms, Principles of Computer Organization, Operating Systems, Computer Networks, Information Security Technology, Principles and Practice of Compilers

SKILLS

- Programming Languages: Java, C/C++, JavaScript, Bootstrap, AngularJS, Node.js, Ruby on Rails
- Software: Eclipse, Visual Studio, Dev C++, Android Studio, WebStorm, MySQL, MongoDB
- Operating System: Mac OS X, Windows 7/8, Ubuntu, iOS, Android

INTERNSHIP

Amazon AWS Seattle, WA, Sept.-Dec.2016(expected)

Upcoming internship at EC2 Kernel and Operating Systems team at Amazon Web Services.

PROJECTS

Starfall Blog – Web Development Projects Seattle, WA, Jan. 2016-Apr. 2016

- Implemented a single-page blog application with the AngularJS MVVM Architecture on client side
- Created RESTful Web Services by using Node.js and Express on server side
- Used several APIs such like MODB API for movie reviews, textAngular API for full text editing, and stored local data cache in MongoDB

URL: <http://cs5610spring2016-zhiyuanyang.rhcloud.com/blog/client/index.html#/home>

MovieFan – Database Management System Project Seattle, WA, Sept. 2015-Dec. 2015

- Built a MySQL database schema which contains statistics of over 65,000 movies and other related data
- Implemented a web application that invokes the database, using JDBC to build the data access layer, using JSP to build the web application, and using ETL workflows to combine and transform the data
- Designed and beautified the layout of the web page by using CSS/JavaScript

Program Design Paradigm Projects Seattle, WA, Sept. 2015-Dec. 2015

- Learned paradigms and design patterns of program through weekly projects in a team of two
- Designed simple interactive projects including Missile Defense Game, Bouncing Ball and Feeding Worms
- Simplified and beautified the program with the standard regulation of Racket

StarWords – An Android Education Software Guangzhou, China, Jul. 2015-Aug. 2015

- Built a SQLite database schema which contains words list such like TOEFL, GRE and IELTS
- Implemented the Android application using Object Oriented Design with Singleton Pattern, debugged and tested the application using JUnit4, providing different layouts to support different screen sizes
- Enabled users to easily make and import their own words list, and personalize the word lists