

## Resume of Wei Chen



### ★ Contact Information

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**Github:** <https://github.com/henrychen222/>

**Personal Website:** <https://weichen.neocities.org/resume.html>

### ★ Education and Major Courses

► 09/2012-07/2016, School of Information Engineering, Nanjing Xiaozhuang University,  
B.S of Computer Science (Software Engineering)

#### Degree and Diploma:

<https://github.com/henrychen222/Personal-Resume-/blob/master/Bachelor%20Degree/Degree%20translation.pdf>

<https://github.com/henrychen222/Personal-Resume-/blob/master/Bachelor%20Degree/Diploma%20translation.pdf>

#### Official Transcript:

[https://github.com/henrychen222/Personal-Resume-/blob/master/Transcript/IMG\\_2655.JPG](https://github.com/henrychen222/Personal-Resume-/blob/master/Transcript/IMG_2655.JPG)  
(English)

[https://github.com/henrychen222/Personal-Resume-/blob/master/Transcript/IMG\\_2657.JPG](https://github.com/henrychen222/Personal-Resume-/blob/master/Transcript/IMG_2657.JPG)  
(Chinese)

#### Key major courses:

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Programming in C Language          | <input type="checkbox"/> Programming of Linux OperatingSystem |  |
| <input type="checkbox"/> Principles of Computer Composition | <input type="checkbox"/> Java Program Design                  |  |
| <input type="checkbox"/> Data Structure and Algorithms      | <input type="checkbox"/> Program in C <sup>#</sup>            | <input type="checkbox"/> Operating System  |
| <input type="checkbox"/> Oracle Database Technology         | <input type="checkbox"/> Database Principles                  | <input type="checkbox"/> Computer Networks |
| <input type="checkbox"/> Fundamentals of Compiling          | <input type="checkbox"/> Software Testing and Quality         |  |
| <input type="checkbox"/> UML and System Modeling            |   |  |

► 08/2016 –12/2017, Department of Computer Science, University of North Dakota,  
M.S of Computer Science (Transferred to Stevens Institute of Technology in 01/2018)

**Official Transcript:**

<https://github.com/henrychen222/Personal-Resume-/blob/master/Transcript/UND%20Official%20Transcript.pdf>

**Have completed major courses:**

- |  |   |
|--|---|
| <input type="checkbox"/> Formal Languages and Automata                           | <input type="checkbox"/> Operating System I                       |
| <input type="checkbox"/> Advanced Software Engineering                           | <input type="checkbox"/> Electronic Commerce System               |
| <input type="checkbox"/> Distributed Operating Systems                           | <input type="checkbox"/> High Performance Computing and Paradigms |
| <input type="checkbox"/> Advanced Database Systems                               | <input type="checkbox"/> Advanced Artificial Intelligence         |
| <input type="checkbox"/> Data Structure, Algorithm, and Software Design with C++ |   |

► 01/2018–present, Department of Computer Science, Stevens Institute of Technology,  
M.S of Computer Science

**Degree and Diploma:** (waiting until end of 01/31/2019)

**Official Transcript:** (waiting until end of 01/31/2019)

**Have completed major courses:**

- |  |  |
|--|--|
| <input type="checkbox"/> Web Programming                             | <input type="checkbox"/> Web Programming II                    |
| <input type="checkbox"/> Intro Program/Data Struct/Algor             | <input type="checkbox"/> Writing and Speaking Academic Purp II |
| <input type="checkbox"/> Introduction to JAVA Programming            | <input type="checkbox"/> Knowledge Discovery & Data Mining     |
| <input type="checkbox"/> Introduction to Natural Language Processing | <input type="checkbox"/> Fundamentals of CyberSecurity         |
| <input type="checkbox"/> Introduction Smart Cities & Their Ecosystem |  |

**★ Skills with personal evaluations and preferred jobs**

**Preferred jobs:**

**Android developer**

**Client Side:** (Java, Android Studio, SQLite)

**Server Side:** (Apache + PHP + MySQL), (IIS + C# + MySQL)

**Full-stack developer**

**(1) Nodejs + Express + MongoDB**

**(2) PHP (LAMP, Laravel)**

**(3) Python + Django/Flask + MySQL /MongoDB**

**(4) Java + Spring + JSP/Servlets + Tomcat + Hibernate + Oracle**

**Front-end developer (React)**

**Data Analyst (Python, R)**

**Top Skills:** (Java, Android, python, JavaScript/Nodejs, PHP), (Mysql, MongoDB), (VScode, Android studio, Eclipse, PyCharm, RStudio), Linux commands, Data Mining (python, R).

**Programming Languages:** Java (3 years), JavaScript (3 years), Nodejs (1 year), Unix/Linux

Shell (2 year), C (2 year), Python (0.5 year), PHP (0.5 year), Perl (0.5 year), TypeScript (0.5 year), C++ (0.5 year), C# (0.5 year), R (0.5 year)

**Database:** MySQL (2 year), Oracle (1 year), MongoDB (0.5 year), Redis (0.5 year), SQLite (1 year)

**Mobile:** Android (2 year), Gradle (2 year), Kotlin(entry-level), React Native (entry-level), IOS (entry-level), Swift (entry-level), Objective-C(entry-level)

**Front-end:** HTML (4 years), CSS (2 years), Bootstrap (1 year), HTML5 (0.5 year), jQuery (0.5 year), Ajax (0.5 year), React/Redux(0.5 year), Angular (entry-level), Gulp (entry-level), SASS (entry-level), Socket.io (entry-level)

**Server:** Apache (2 years)

**Framework:** Express (0.5 year), Laravel (entry-level), Django (entry-level)

**System:** Mac(0.5 year), Linux(2 years), Windows(6 years)

**IDE/Text editor:** Eclipse (3 years), Android Studio (2 years), Visual Studio (2 years), SublimeText (1.5 years), Visual Studio Code (1 year), PyCharm (0.5 year), PhpStorm (entry-level), Xcode (entry-level)

**Python Technology:** nltk (0.5 year), Pandas (0.5 year), Tensorflow(0.5 year), scikit-learn(0.5 year), Seaborn (0.5 year)

**Java Technology:** Tomcat (0.5 year), Spring (0.5 year), JSP/Servlets (1 year), JDBC (0.5 year), JavaFX (0.5 year), Swing (0.5 year)

**Big Data:** Hadoop (0.5 year), HDFS (0.5 year), MapReduce (entry-level), Hbase (entry-level), Zookeeper (entry-level), Spark (entry-level)

## ★ Social Experience

► 09/2012-06/2013, joined in the Associations Union of Nanjing Xiaozhuang University, mainly in charge of the program of “Xiaozhuang Night”

► In 2013winter holidays, as a network maintenance assistant, I worked in “Jiangsu Xidihuanqiu Building Project Management Co., Ltd.”

► In 2016winter holidays, as a volunteer in Nanjing Xiaohang Community, I helped a few poor children to study lessons and help them to set up active and optimistic life attitudes

► 09/2016 - 05/2017, being employed as a dishroom worker at UND dinning service

► 08/2017-12/2017, being employed as a stagehand worker at UND Chester Fritz Auditorium

► 08/2017-12/2017, being employed as a web developer for UND language department

## ★ Professional Experience

### **(Bachelor period Intern)**

► NanjingXudan Information Technology Co., Ltd. 03/08/2016—04/25/2016

Java+HadoopAssistant Intern

- Research and develop independently minitypeoa system (office automation system, including user logining, registering account, inquiring user information, modifying and deleting user information and so on.
- Develop big data and cloud computation, based on Hadoop platform, data batch process.

► Jiangsu SuweiMicrosoft Technology Co., Ltd. 07/01/2015-10/30/2015

Android Assistant Intern

- Primitively got acquainted with Android development environment (ADT+Android SDK Plug-in , and configuration of JDK environment variable, setting up development platform, with Linear Layout and Relative Layout completing high simulationmanufacture of static interface like QQdynamic page, and Alipay page. Meanwhile, functions of calling, texting, music player and calculation have been done on client-side.
- In August, under the guidance of teachers, got acquainted with most controls, and passing values between pages by binding adapter. At the same time, studying Android including: time disposal, animation production, data storage, service, and Socketnetwork programming.
- Independently completed microblogmanagement systemin July and August, well performed in main functions, such as: lead in pages, logining registering, password modifying, microblogging, obtaining messages list and followers list, checking others' personal information and commending.

**Project Code:**

[https://github.com/henrychen222/xiaoshixun071315\\_Android](https://github.com/henrychen222/xiaoshixun071315_Android)

[https://github.com/henrychen222/dashixun080315\\_Android](https://github.com/henrychen222/dashixun080315_Android)

[https://github.com/henrychen222/weibotest08\\_312\\_Android](https://github.com/henrychen222/weibotest08_312_Android)

► Nanjing Keyi communication technology co., LTD 07/01/2013-08/29/2013

Java Assistant Intern

- In July, learned Java basic language, as well as compiling some simple programmes (sequencing) , got acquainted with three basic frameworks (Struts, Hibernate, Spring), and assisting the company with rear service
- In August, assisted the developer with Java Web development, which includes specific processes of logining, registering, and blacklisting non-performing assets system of rural commercial bank. Writing kinds of function pages in the front end of JSP, as well as implanting javascript, conveying Java code to the backstage supporter by service, implementing the practical methods

### **(Master period Project)**

#### **(Web projects)**

<https://github.com/henrychen222/457-LAMP-Online-Bookstore>  
<https://github.com/henrychen222/457-Google-Map-Geolocation>  
<https://github.com/henrychen222/513-CGI-Online-Gamestore>  
<https://github.com/henrychen222/Stevens-CS546finalProject-ActivityTracker-Nodejs-Express-MongoDB->  
<https://github.com/henrychen222/Stevens-CS554finalProject-React-Redux>

### **(Android Project)**

[https://github.com/henrychen222/513\\_Grocery2\\_Shopping\\_Android](https://github.com/henrychen222/513_Grocery2_Shopping_Android)  
[https://github.com/henrychen222/Bookstore\\_457\\_Android](https://github.com/henrychen222/Bookstore_457_Android)

## **Part of Master period project detailed explanations**

### **(I) Web Projects**

#### **► 04/11/2017~05/03/2017**

Project name: A Location-Based Service (LBS) Using AJAX and HTML5 Technologies

Design:

(1) use Google Map API, HTML5 Geolocation, javascript, XML, LAMP

(Linux+Apache+Mysql+PHP/Perl/Python), and Implementation of location services.

(2). Use Ajax to make location services easy to interact, fun, and user friendly.

Goals: Implement asynchronous processing of multi-location service processes with as many Ajax as possible. (6Ajax full marks)

Project specifications: <http://wenchen.cs.und.edu/course/457/exercise/3/>

My code: <https://github.com/henrychen222/457-Google-Map-Geolocation> (3-4Ajax)

#### **► 01/10/2017~ 02/22/2017**

Project name: A Simple Online Bookstore Using LAMP Technologies

Design: LAMP (Linux+Apache+Mysql+PHP/Perl/Python)

Project specifications: <http://wenchen.cs.und.edu/course/457/exercise/1/>

My code: <https://github.com/henrychen222/457-LAMP-Online-Bookstore>

Technology:

(1) PHP and html are mixed, the table <tr> module which will display multiple data items is placed in two <?php?> chunks, so that php will get the data from the server and puts it back into that<tr>

module.<https://github.com/henrychen222/457-LAMP-Online-Bookstore/blob/master/administratorBookList.php>

(2) Using the Longest common subsequence algorithm to sort the results of the search book

[https://en.wikipedia.org/wiki/Longest\\_common\\_subsequence\\_problem](https://en.wikipedia.org/wiki/Longest_common_subsequence_problem)

### **(II) Android Project**

#### **► 02/23/2017~ 04/10/2017**

Project name: A Native Mobile App for a Bookstore

Design: Use server-side PHP script to connect external database (this project is mysql) with client-side Android Studio code (use URLConnection or HttpClient).

Project specifications: <http://wenchen.cs.und.edu/course/457/exercise/2/>

My code: [https://github.com/henrychen222/Bookstore\\_457\\_Android](https://github.com/henrychen222/Bookstore_457_Android)

Project functions:

Administrator: Adding books (add one by one, create a layout in android studio app or create a website page for typing each book information), show all added books, show all users, show books purchased by each user.

User: android studio, user login and register, Keyword (case insensitive) search book, sort the searching results, buy books, query personal accounts, show details of each book in a personal account.

Technology:

(1) In the doInBackground() method of the AsyncTask class, the URLConnection or HttpClient class is used to implement the connection between the android client and the server PHP script. PHP scripts interact with external mysql on the server. [https://github.com/henrychen222/Bookstore\\_457\\_Android/blob/master/app/src/main/java/com/example/weichen/bookstore2/asyncTasd/AddBook\\_AsyncTask.java](https://github.com/henrychen222/Bookstore_457_Android/blob/master/app/src/main/java/com/example/weichen/bookstore2/asyncTasd/AddBook_AsyncTask.java)

(URLConnection)

[https://github.com/henrychen222/Bookstore\\_457\\_Android/tree/master/Server-side%20PHP%20scripts](https://github.com/henrychen222/Bookstore_457_Android/tree/master/Server-side%20PHP%20scripts) (PHP script on the server side)

(Reference)

<http://wenchen.cs.und.edu/course/457/11/1.html>

[http://www.tutorialspoint.com/android/android\\_php\\_mysql.htm](http://www.tutorialspoint.com/android/android_php_mysql.htm)<https://developer.android.com/reference/android/os/AsyncTask.html>

<https://developer.android.com/reference/android/os/AsyncTask.html#doInBackground>

(Params...)

(2) Using Longest common subsequence algorithm to sort the results of search books [https://en.wikipedia.org/wiki/Longest\\_common\\_subsequence\\_problem](https://en.wikipedia.org/wiki/Longest_common_subsequence_problem)

► 10/15/2017~12/06/2017

Project name: My Shopping List

Design: use embedded database SQLite by writing a class extending SQLiteOpenHelper.

[https://github.com/henrychen222/513\\_Grocery2\\_Shopping\\_Android/blob/master/app/src/main/java/com/example/weichen/grocery2/MyDBHelper.java](https://github.com/henrychen222/513_Grocery2_Shopping_Android/blob/master/app/src/main/java/com/example/weichen/grocery2/MyDBHelper.java)

Project specifications: <http://wenchen.cs.und.edu/course/513/exercise/2/>

My code: [https://github.com/henrychen222/513\\_Grocery2\\_Shopping\\_Android](https://github.com/henrychen222/513_Grocery2_Shopping_Android)

Functions:

(1). Add product features, add discount coupons, display all products, display all discount coupons, display discount coupon details, update multiple product prices, and delete discount coupons for a product.

(2). User shopping function, showing the maximum discount, the final price (to be reduced by the discount volume)

Technology:

(1). Use ScrollView to solve page overflow problems

(2). Wrapping LinearLayout through ScrollView, adding elements to LinearLayout to present multiple pieces of data on the page

[https://github.com/henrychen222/513\\_Grocery2\\_Shopping\\_Android/blob/master/app/src/main/res/layout/list\\_all\\_products.xml](https://github.com/henrychen222/513_Grocery2_Shopping_Android/blob/master/app/src/main/res/layout/list_all_products.xml)

[https://github.com/henrychen222/513\\_Grocery2\\_Shopping\\_Android/blob/master/app/src/main/java/com/example/weichen/grocery2/ListProductsActivity.java](https://github.com/henrychen222/513_Grocery2_Shopping_Android/blob/master/app/src/main/java/com/example/weichen/grocery2/ListProductsActivity.java)