

Resume of Wei Chen

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★ Contact Information

Address: 265 Ogden Ave, Jersey City, NJ, USA, 07307

Gender: Male; **DOB:** Aug. 22nd, 1994

E-mail: wchen29@stevens.edu (temporary) ; henrychen940822@gmail.com (permanent)

Call phone: +1 7018852376 (in USA); 15077831200 (in China)

Wechat: coffeehenry; **QQ:** 563180984

★ Education and Major Courses

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

Key major courses:

- ☐ Programming in C Language
- ☐ Programming of Linux OperatingSystem
- ☐ Principles of Computer Composition
- ☐ Java Program Design
- ☐ Data Structure and Algorithms
- ☐ Program in C[#]
- ☐ Operating System
- ☐ Oracle Database Technology
- ☐ Database Principles
- ☐ Computer Networks
- ☐ Fundamentals of Compiling
- ☐ Software Testing and Quality
- ☐ UML and System Modeling

► 08/2016 –12/2017, Department of Computer Science, University of North Dakota,
M.S of Computer Science

Have completed major Courses:

- ☐ Formal Languages and Automata
- ☐ Operating System I
- ☐ Advanced Software Engineering
- ☐ Electronic Commerce System
- ☐ Distributed Operating Systems
- ☐ High Performance Computing and Paradigms
- ☐ Advanced Database Systems
- ☐ Advanced Artificial Intelligence
- ☐ Data Structure, Algorithm, and Software Design with C⁺⁺

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

Continuing to complete major courses:

- ☐ Web Programming
- ☐ Web Programming II
- ☐ Intro Program/Data Struct/Algor
- ☐ Writing and Speaking Academic Purp II
- ☐ Introduction to JAVA Programming
- ☐ Knowledge Discovery & Data Mining
- ☐ Introduction to Natural Language Processing
- ☐ Fundamentals of CyberSecurity

★ 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 2013 winter holidays, as a network maintenance assistant, I worked in “Jiangsu Xidihuanqiu Building Project Management Co., Ltd.”
- ▶ In 2016 winter 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 dining 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)

- ▶ Nanjing Xudan Information Technology Co., Ltd. 03/08/2016—04/25/2016,
Java+Hadoop Assistant Intern
 - Research and develop independently minitypeoa system (office automation system, including user logging, 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 Suwei Microsoft 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 simulation manufacture of static interface like QQ dynamic 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 Socket network programming.
 - Independently completed microblog management system in July and August, well performed in main functions, such as: lead in pages, logging registering, password modifying, microblogging, obtaining messages list and followers list, checking others' personal

information and commending.

► 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 logging, 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/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/adminis](https://github.com/henrychen222/457-LAMP-Online-Bookstore/blob/master/administratorBookList.php)
torBookList.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

(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

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/co](https://github.com/henrychen222/Bookstore_457_Android/blob/master/app/src/main/java/com/example/weichen/bookstore2/asyncTasd/AddBook_AsyncTask.java)
m/example/weichen/bookstore2/asyncTasd/AddBook_AsyncTask.java

(URLConnection)

[https://github.com/henrychen222/Bookstore_457_Android/tree/master/Server-side%20PHP](https://github.com/henrychen222/Bookstore_457_Android/tree/master/Server-side%20PHP%20scripts)
[%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<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

► 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

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

My code: 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/java/com/example/weichen/grocery2/ListProductsActivity.java