

1.

- 1) **Action: an industrial experience that teaches me how to keep coding style and programming paradigm**
- 2) **Project name: Online Mobile Education App for children**
- 3) **Result:**
 - Implemented iPhone App function like user login, profile setting, textbook downloading, recording video in both teacher and student version with Objective-C Language and Cocoa framework
 - Utilized the cloud service to provide chat and discussion group function
 - Collaborated with Product Manager, Operations and iOS server developer to update our app

2.

- 1) **Action: A beautiful and dynamic web using the latest frontend and backend framework**
- 2) **Project name: Library Management System -- Database Course Project**
- 3) **Result:**
 - Built the front-end pages using JSP and beautified the web with animation using Javascript and CSS
 - Offered basic security function to prevent SQL Injection preventing illegally logging in and visiting sources using Spring Frameworks Interceptor function

3.

- 1) **Action: A big data project that gets really good effect on estimation on traffic**
- 2) **Project name: Data Mining Research Intern**
- 3) **Result:**
 - Utilized 2013 whole years Traffic and tweet data in Chicago to establish Coupled Hidden Markov model to estimate the traffic condition using python
 - Simplified spatial calculation using R-Tree
 - Finished the paper and published in book "Machine Learning and Knowledge Discovery in Databases"

4.

- 1) **Action: A really challenging project that uses the new language and framework**
- 2) **Project name: iOS Lost and Found App -- iOS course project**
- 3) **Result:**
 - Implemented a lost-found app with basic function like upload pictures, post information of lost things
 - Used the latest Swift language and the Swift Alamofire networking package
 - Utilized the BAIDU APIs and SDK to locate the position of lost things

5.

- 1) **Action: A good-designed game with music and AI**
- 2) **Project name: java Game: Othello (with AI)**
- 3) **Result:**
 - Designed and implemented with java swing components
 - An AI with naïve algorithms and value network that could compete with users