

# Xu Han

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## Objective:

Summer Internship in Software Engineering and Computer Science.

## Education:

### **Worcester Polytechnic Institute(WPI), Worcester MA**

Master of Science in Electrical and Computer Engineering, GPA 3.7/4.0

### **Tianjin University, Tianjin China**

Bachelor of Engineering in Electrical Engineering, July 2014

### **Relevant Courses:**

Introduction to Algorithms: Design and Analysis, C++ and Data Structure, Computer Architecture, Design of Software Systems, Java Programming, Introduction to LAN/WAN.

## Projects:

### **Flight Reservation System Design, WPI, February 2015 - March 2015**

- Documented and wrote Use Cases, and drew the Class Diagrams based on project description.
- Programmed Java codes to implement the algorithm to list all possible flight plans depends on customers' requirements.
- Programmed Java codes to retrieve all need flight data from the database on the server, and convert the input data stream into corresponding parameters.
- Optimized the algorithm to return a list of all possible flight plans and improved its efficiency.

### **Android Application development, WPI, December 2014 - March 2015**

- Developed and designed a new social networking Android application(App) called "MoodNote" with the other team partner.
- Designed and completed the Main and Setting User Interface(UI) of this App, including all animations and widgets.
- Be responsible for back end database management function.

### **Snake Game, WPI, December 2014**

- Programed Java codes to implement logic function of Snake Game.
- Used Javax.Swing to implement Graphic User Interface and game platform.
- Exported to a runnable program, debugged and tested it.

### **Personal homepage, WPI, February 2015**

- Designed the layout and views of my own personal homepage.
- Developed HTML 5 codes and CSS 3 codes of my webpages and maintained it.

### **Binary tree building based on traversal sequence, WPI, October 2014**

- Designed an algorithm of building the binary tree and storing it based on Inorder and Postorder traversals sequence.
- Programed and Implemented it by C++ codes.

## Skills:

**Software:** Eclipse Luna, Xcode, MySQL, Quartus II, Microsoft Word, Powerpoint, Pages.

**Programming:** Proficient in Java, C++, HTML 5, CSS 3, familiar with Python and Ruby on Rails.

**Foreign Language:** Chinese(mother language), English.