Haoxuan (Horace) Wang

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Education

- Estimated Overall GPA 3.80 / 4.00, Expected First Honor Degree.

- 2014 - 2016   **Xi'an Jiaotong-Liverpool University**, Bsc Information and Computing Science

  Year 0 overall grade: 66%; Year 1 overall: 71% (Top 10%)

  Core subjects: Computer Systems; Introduction to Databases;
  Introduction to Programming in Java; Algorithmic Foundations and Problem Solving;
  Data Structures; Operating Systems Concepts; Human-Centric Computing
  Calculus; Introduce to Discrete Mathematics

- 2016 - 2018   **University of Liverpool**, Bsc Internet Computing

  Year 2 overall: 85.1%

  Core subjects: Software Engineering; Database Development;
  Internet Principles (Introduce to OSI layers); Advanced Object-Oriented Programming (in Java);
  Distributed Systems; Software Development Tools (Mainly about testing);
  Advanced Object-Oriented C Programming (C++/Objective-C); Principles of C && Memory
  Management;

Honors and Awards

- October 2015   **The National Endeavor Scholarship**

  Scholarship from Chinese Government.

- July 2015   **XJTLU Academic Achievement Award**

  Progression scholarships are awarded based upon a student's average marks in
  the previous academic session.

Projects

- 2017.04 - 2017.05   **bookswop.me** *(https://github.com/billweasley/Distributed_library_Release)*

  An free book swop platform targeted for UK collage teachers and students.
  This is the second year group project (in a group of 9 people).

  - Technology in use: Play! framework 2 (Mainly in Java) + MySQL + Nginx +
    Amazon AWS
  - My responsibilities:
    - General Team leader;
    - The entire design and implementation of server backend including
      - A timing token-based Single Sign On Service;
      - Server RESTful API design and implementation;
      - Geolocation based range searching;
      - Security mechanism (HTTPs (TLS v1.2) + AES + bCrypt).
    - Database design and development;
    - Server manipulation on Amazon AWS Instance.

- ◦ 2016.08 - 2016.09　**A crawler for XJTLU learning platform** *(http://shellcottage.me/firstSpider)*

  A Java crawler that automatically back up all the learning resources from the XJTLU ICE learning platform.

  - ◦ Technology in use: JSoup + Java Swing

Publications

- ◦ August 2016　**Bluetooth Based Software Defined Function in Internet of Things**

  The 1st Conference on Emerging Topics in Interactive Systems (ETIS 2016), XJTLU
  Haoxuan Wang, Yuan Gao, Kai Zheng, Jie Zhang, Yang Du and Xin Huang

- ◦ December 2016　**Applying Docker Swarm Cluster into Software Defined Internet of Things**

  The 8th International Conference on Information Technology in Medicine and Education (ITME 2016, EI Indexed)
  Yuan Gao, **Haoxuan Wang** and Xin Huang

Skills

★ indicates the proficiency. The more ★ appears, the more proficiency I have on the item.

Programming Languages

- ◦ Java (including Java 8) ★★★★☆
- ◦ C ★★★☆☆
- ◦ SQL ★★★☆☆
- ◦ Objective-C ★☆☆☆☆
- ◦ x86 C-inline Assembly ★☆☆☆☆
- ◦ C++ (For my level, a better C with classes) ☆☆☆☆☆

Markup / Templating Languages

- ◦ HTML ★★★☆☆
- ◦ XML ★★★☆☆
- ◦ CSS ★☆☆☆☆
- ◦ Markdown ★★★☆☆
- ◦ LaTeX ☆☆☆☆☆

Frameworks & Others

- ◦ Play! framework 2 (using Java) ★★★☆☆
- ◦ Ebean ORM ★★☆☆☆
- ◦ jQuery ★☆☆☆☆
- ◦ Ant ★★★☆☆
- ◦ JUnit ★★★☆☆
- ◦ Git ★★☆☆☆
- ◦ Valgrind ★★★☆☆
- ◦ gcc/clang/g++/clang++/javac ★☆☆☆☆
- ◦ Google + Stackoverflow ★★★★★