

Songyu Li

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EDUCATION

University of Illinois at Urbana-Champaign

BS Computer Science (Expected May, 2018)

GPA: 3.87/4.0

Dean's List in Fall 2014, Spring 2015 and Fall 2015

Coursework: Software Engineering, Numerical Analysis, System Programming, Data Structure, Discrete Structure, Computer Architecture, Calculus and Linear Algebra

EXPERIENCE

Courseware Developer

May 2016 - August 2016

Jisuanke.com, Beijing, China

- Participated in developing and testing an online programming environment for Jisuanke's Computer Science courses
- Developed Auto-grader which serves as the extension of an online programming assignment system. The program is written in C and C++
- Designed other course materials for Data Structure and System Programming courses in Jisuanke

Course Assistant

2015

University of Illinois at Urbana-Champaign

- Held CS 125 office hours every week, and helped students debug their code
- Prepared materials for discussion sections

SKILLS

- Familiar with C, C++, Node.js and Java
- Familiar with Git
- Basic knowledge of HTML, CSS, and MySQL

PROJECTS

Autograder for an online programming environment

Jisuanke.com

A multi-process program that can compile and grade user's code based on correctness and performance. It detects compiling error, run-time error and memory leaks, with the help of Valgrind. It also interacts with other parts of the online programming assessment system of Jisuanke.

Meinspider: A Web Crawler Made With Cheerio.js

A crawler that can crawl into web pages and collect texts, images, and other webpage elements based on HTML tags specified by user. It is made with Node.js and Cheerio