

程思敏(Simin Cheng)

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<http://simonjava.github.io/>

OBJECTIVE Software Engineer

EDUCATION *Master of Computer Science*
University of Science and Technology of China
2012.09 ~ 2015.07

AWARDS **2009 ~ 2011** Won Scholarship for Best Learning twice, GPA : 3.56/4.0
2009.05 Won First Prize in Campus Web Page Design Contest
2010.12 Won Second Prize in the third Campus ACM/ICPC Program-designing Contest

EXPERIENCE **USTC, Algorithm & Data Application Research Group, Hefei** **2012.09 ~ Now**

- *the realization of For3D program parallelism* 2013.09 ~ 2014.07
 - For3D is a classic serial program used for sea floor terrain analysis. I was then in charge of realizing its parallelism. Considering that the internal logic of For3D is very complicated, my solution is as follows: first break down a giant input file into n smaller ones; then distribute the data to n-core processor for operation; finally collect the results and combine them. The solution is characterized by its low-cost.
- *Internship in Mobile Terminal Department of IFLYTEK* 2013.07 ~ 2013.09
 - During the internship, I was mainly in charge of the 10086 Palm Voice Hall Project on Android devices, which supports voice input to provide services on China Mobile Online Office. My duties include the processing of logic and front-end display relating to core businesses. My performance was acknowledged by the supervisor and I got extra bonus when the internship was over.
- *the build-up of Othello Algorithm battle platform* 2012.10 ~ 2013.02
 - The system aims to encourage undergraduates in programming by offering a platform to compare their Othello algorithms. So I designed it from 3 aspects: 1. users can start a challenge by submitting algorithm codes according to given interface on the web; 2. the backstage compiles the codes and maintains the competition with a thread. 3. users can replay the competition with a flash on front-end, and check their latest ranking and grades.
- *the build-up of tourism resources language database of Anhui* 2010.10 ~ 2012.05
 - This national innovative project was initiated by me and another two students from the School of Foreign Studies. Considering that the existing translation of tourism resources was not standardized and systemized enough, we visited several Administrations of Tourism Resources to acquire first hand corpus texts, and then scanned them into the database. Also, I built up a corpus inspection system with Lucene.

SKILLS

- Adept use of Java, Knowledge of Concurrent¹
- Knowledge of Web development
- Knowledge of mobile application development²
- Experience in of shortest path problem³
- Good communication skill⁴

¹solid knowledge of object-oriented program design of Java; once read Thinking in java and HeadFirst Design

²Knowledge of the process of developing platforms; the ios version of USTC Schoolbus was designed by me and can be downloaded in AppStore

³Published an paper about shortest path parallel algorithm

⁴served as the teaching assistant of C Programming for undergraduates for two semesters, including solving their problems, designing computing tasks, and instructing their experiment on computers