Pengyu Li

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**EDUCATION**

**Department of Physics,** Tsinghua University

*Bachelor of Mathematics and Physic*s Anticipated Graduation: July 2016

**Anticipated Courses**:

Data Structure and Algorithm, Introduction to Machine Learning, Big Data System (A), C++ Programming in Linux etc.

**Professional Skills**: Java, C++, python, R, MATLAB, SQL, Machine Learning Algorithms, Data Mining.

**SELECTED WORK**

**Micro-nano optoelectronics Lab**

*Research Assistant*  Feb-Sep, 2014

* Worked in Prof. Wei Zhang’s group and assisted with PhD student in group. Used professional softwares to build the model and compute independently.
* Completed several experiments independently.

**Student Online Management System (Web)**

*Background programmer and logic designer* Aug, 2014

* Used Java to build serve page and JavaScript to implement many functions. Designed the logic between functions and database. Built a whole system involving BBS, curriculum enroll and information management on Web.

**Chinese Information Retrieve Program**

*Designer and programmer* Nov-Dec, 2014

* Captured the web pages and extracted Chinese contents on pages. Designed the algorithm to use context of the content extracted and Chinese word dictionary to divide sentences to separate words.
* Used Jaccard Similarity to evaluate the object page’s most similar pages in database and return the results.

**Hospital Medicine Management System (software)**

*Designer and programmer* Dec, 2014

* Designed the system logic and implement it using Oracle database. Finally accomplished a software with pretty GUI.

**State Key Laboratory of Intelligent Technology and Systems** Dec, 2014 - now

*Research Assistant*

* Work in Prof. Min Zhang’s group and study on how to improve performance of state-of-art recommendation algorithms by using *Learning to Rank*’s method. Study on the project by myself and have got some good results.

**ADDITIONAL**

**Language**: Proficient in Mandarin, Good hand-writing and reading ability in English, Japanese as hobby.

**Volunteering and other student clubs**: As a leader in advertise group in department student union for one year. As a volunteer, joined the *Red Cross* in school and taught poor children computer skills in *Xiaojiahe primary school* which locates in remote area in Beijing for a semester.

**Interests**: Reading, watching movies and riding bicycle.