

Pengyu Li

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EDUCATION

Department of Physics, Tsinghua University

Bachelor of Mathematics and Physics

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.