

### Education

2013–Present **Shanghai Jiaotong University (SJTU)**, *B.Sc. in Computer Science*.  
*Honors B.Sc.:* ACM Honoured Class, **National Everest Plan for Top-notch Students**, Highly Selective Class.

### Awards & Achievement

#### Scholarship

- 2014 Academic Excellence Scholarship (**Top 50%** in SJTU)
- 2015 Academic Excellence Scholarship (**Top 15%** in SJTU)
- 2015 ELEME Scholarship (**Top 2/31** in ACM Honoured Class)

#### Competition

- 2015 **Meritorious Winner Prize (Top 15%)**, *Mathematical Contest in Modelling*.
  - A multi-day mathematics competition held annually in USA.
  - Lead a team of three to construct mathematical model to schedule to terminate Ebola Virus.

### Research Experience

#### Long-term

- 2016.8–present **Research Assistant at Microsoft Research Asia**, supervised by **Chunshui Zhao**, Beijing.
  - Constructed new algorithm for indoor localization to optimise the accuracy.
  - Skilled sensor system development and Android application establishment.
- 2016.2–2016.5 **Research Internship at APEX Data & Knowledge Management Lab**, supervised by **Yong Yu**, SJTU.
  - Learned the lecture of machine learning tools and computational advertising models.
  - Applied machine learning and deep learning to evaluate conversion attribution models(Logistic Regression, Survival Model, RNN and so on).
- 2015.7–2016.1 **Research Internship at Microsoft Research Asia**, supervised by **Pinyan Lu**, Shanghai.
  - Studied algorithmic game theory and private information retrieval.
  - Genally considered simple auction, focused on the approximation, complexity and other properties.

#### Short-term

- 2016 Summer **Summer Exchange Program**, *Visiting student*, Cornell University.
  - Got a chance to work under Robbert van Renesse and his PhD student Deniz to study and Build a demo computer system.
  - ResearchTrends, that visualizes the trends of different topics in computer science and also contributed to the **Cr-j** project.
- 2015 **Research Internship at Basic Lab**, supervised by **Xiaotie Deng**, SJTU.
  - Studied basic economic models.
  - Analysed internet platfrom economics, cooperation or competition.

### Project

- 2016 Summer **Cr-j: A demo system for a new version of Chain Replication**.
  - Chain Replication: a variant of Primary-Backup Replication that supports high throughput and fast recovery from failures, created by van Renesse and Schneider, 2004.
  - First chance to work on distributed system.
  - Implement one self-reconfiguration protocol to replace the master monitoring.

- 2015.11 **Mythread: An useful C Library to Terminate Deadlock**, *Course Project*.
- Develop a C library to detect deadlock.
  - Help programmer to deadlock resolution and prevention.
  - Won best grade of the optional course project.
- 2015.5 **A CPU with Five-stage Pipeline and Second Level Cache**, *Course Project*.
- Base on MIPS ISA architecture of five-stage pipeline with fully bypassing.
  - Use second level cache in virtual memory management technique.
- 2015.4 **Simplified Tiger Compiler**, *Course Project*.
- Implement for a simplified version of C language called tiger.
  - Included lexical & parser analysis, semantic checking, code generation and optimisation.

## Teaching Experience

- Spring 2015 **Teaching Fellow in MS105, Data Structure**.
- Set up teaching plans, the course project and made up problems of test problems.
- Summer 2015 **Teaching Fellow in MS106, Principle and Practice of Computer Algorithms**.
- Set up teaching plans and led a discussion meeting of Randomized Algorithm.
- Autumn 2015 **Teaching Assistant in CS217, Algorithm Design and Analysis**.
- Took exercise lessons and corrected students homework.

## Additional Experience

### Academic Congress

- 2015.8 **China Theory Week 2015**, *an internationally well-known workshop in the area of theoretical computer science*, Shanghai, initiated by **Andrew Yao**.
- Helped organize the workshop.
  - Created an engagement with theoretical computer science.

### Miscellaneous

- 2014-2015 **Zhiyuan College Debate Team**, *Team Leader*.
- Won the SJTU Championship, 2015.
  - Won most popular debater in several debate competition .

## Skills

### Programming

- Advanced JAVA, C/C++, PYTHON,  $\text{\LaTeX}$
- Intermediate HTML, Verilog HDL, Erlang
- Basic R language

## Arts

- Advanced Pencil sketch (Certificate of **Level Seven** in China)
- Basic Pen sketch and Oil painting