# Yufeng Su

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| **PERSONAL INFORMATION** | I'm a junior undergraduate student major in Computer Science at **ACM Hornored Class**, **Zhiyuan College**, **Shanghai Jiao Tong University**, Shanghai, China<br><br>Currently, I am a research intern in **APEX DATA & KNOWLEDGE MANAGEMENT LAB**, directed by Professor **Yong Yu** and Assistant Professor **Weinan Zhang** |

**RESEARCH EXPERIENCE**

**APEX DATA & KNOWLEDGE MANAGEMENT LAB**, Shanghai Jiao Tong University

- Undergraduate Research Intern — Jul 2017 – Present
  - Project: ensemble learning on multi-field categorical data
  - Focus: feature interaction, feature extraction and recommander system

**AWARDS & SCHOLARSHIPS**

- The 2016 ACM-ICPC Asia Yangon Regional Contest — Nov 2016
  First runner up
- The 2015 ACM-ICPC Asia Phuket Regional Contest — Nov 2015
  The eighth place
- The 2015 ACM-ICPC Asia Hefei Regional Contest — Nov 2015
  Gold award
- The 2016 ACM-ICPC Asia Qingdao Regional Contest — Nov 2016
  Gold award
- The 2015 China Collegiate Programming Final Contest — Nov 2015
  Gold award
- The 2016 China Collegiate Programming Hefei Reginal Contest — Oct 2016
  Gold award
- The Third Prize Of Scholarship In University — Fall 2016
  The top 30% win the scholarship
- Zhiyuan College Honored Scholarship — Fall 2016

**PROJECT**

**Toy CPU** — Jun 2017
OpenMIPS-like toy CPU with five-stage pipeline.

**Compiler 2017** — May 2017
A toy compiler for the Compiler course. The source language is Java. The target is X86 assembly. Features included special address representation in intermediate representation, new form of the scope in front end, graph coloring register allocation and naive optimization.

**Advanced data structure** — May 2017
- **AAA-tree**: A data structure maintain the imformation of tree.
- **Link-Cut-Cactus**: A improved version of the basic data structure **Link-Cut Tree** which can supply the same modification in LCT on **Cactus graph**

**SUPERRIORITY**

**Strong programming ability**
- Good performance on the practice part of professional courses
  - Machine Learning : 95/100
  - Computer System Course Design : 92/100
  - Data Structrue : 21.5/22
  - Computer Programming : 9.7/10
- Finish a 11,000-line compiler in 3 weeks

**Good creativity**
Because of the impressive proformance on Machine Learning course, director encourages me to start a project without fellowing senior students in APEX lab. Now, my model improve the performance on some public datasets.