

# Peiyao Sheng

Junior Undergraduate, Computer Science

ACM Class, Zhiyuan College  
Shanghai Jiao Tong University  
email: [simplespy@sjtu.edu.cn](mailto:simplespy@sjtu.edu.cn)  
website: [simplespy.cn](http://simplespy.cn)

---

## Education

2015-Present  
Program **B.S., Computer Science and Technology**  
*ACM Honored Class* (a pilot computer science class in China)  
Zhiyuan College, Shanghai Jiao Tong University (SJTU), China

---

## Skills

Language C++, Python, Java, Matlab, HTML, LaTeX, Verilog HDL  
Tool Photoshop, Final Cut Pro

---

## Research Experience

Advisor **SpeechLab** at Shanghai Jiao Tong University  
Dr. Kai Yu  
Group Acoustic Speech Recognition

---

## Course Projects

Spring 2017 **Simpler: Modern Compiler Implementation, Java**  
A toy compiler for simplified C language, 14,000+ lines of code.

Spring 2017 **SimpleMIPS: A Prototype of 5-stages Pipelined MIPS Microprocessor, Verilog HDL**  
A simple prototype of 32-bits, Harvard structural and 5-stages pipelined MIPS microprocessor, the coursework of *MS108, Computer System-I*.

Spring 2016 **Your Simulated Formularized Life-game, C++**  
A visual simulator of a specialized kind of cellular automaton, a group project of the course *Introduction of Physics*.

Fall 2015 **Lisperarian, C++**  
A Library System supporting multiple OS platforms, a group project of the course *C++ Programming*.

---

## Honors and Awards

USA 2017 **Meritorious Winner**  
First Prize in Interdisciplinary Contest In Modeling, 2017, **Top 10%**

2015-2016 **Academic Excellence Scholarship**  
Scholarship in Shanghai Jiao Tong University, **Top 25%**

---

## Teaching Experience

### Teaching Assistant

Summer 2017 MS106, Principle and Practice of Computer Algorithms  
Spring 2017 MS105, Data Structures  
Fall 2016 CS122, C++ Programming

---

## Activities

2016-2017 **Captain** of Zhiyuan College Debate Team  
We won the Champion of *Confederations Cup* (the highest level of debate in Shanghai Jiao Tong University).

2016-2017 **Vice-Minister** of Propaganda Department in Zhiyuan College