

# Zhanghao Wu

UNDERGRADUATE IN COMPUTER SCIENCE

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## Education

### Shanghai Jiao Tong University(SJTU)

Shanghai, China

B.S. IN COMPUTER SCIENCE

Sep. 2016 - PRESENT

- Member of [ACM Class](#), an elite CS program for top 5% talented students
- GPA: 92.82 / 100, Rank:2 / 41
- Research interests: Machine Learning, especially Deep Learning

## Research Experience

### SpeechLab

Shanghai Jiao Tong University

UNDERGRADUATE RESEARCHER, ADVISED BY KAI YU

Jul. 2018 - PRESENT

- Focusing on Rich Audio Analysis (RAA), analysis and classification of non-text information within human speech

## Teaching Experience

### C++ Programming(CS152)

Shanghai Jiao Tong University

TEACHING ASSISTANT

Spring 2018

- Gave lectures on how to begin programming and what dynamic programming is
- Designed part of the homework and exam problems, to help students practice C++ programming

## Honors & Awards

### INTERNATIONAL

2017 **Outstanding Winner**, MCM (13/2800 per year)

COMAP

### UNIVERSITY

Shanghai Jiao

Tong **Fan Xuji Chancellor's Scholarship**

(12 students per year)

University

2017 2017 **Merit Student**

Shanghai Jiao Tong University

2016 & 2017 **Zhiyuan Honorary Scholarship**

Shanghai Jiao Tong University

## Project Experience

### MW Compiler

Jun. 2018

🔗[Michaelvll/MWCompiler](#)

- Designed a compiler implemented in Java from scratch, translating [Mx\\*](#), a Java-and-C-like language, program into x64-nasm code.
- Implemented many optimizations for the compiler, which got it faster than gcc O1

### RISCV CPU

Jan. 2018

🔗[Michaelvll/RISCV\\_CPU](#)

- Designed and implemented a FPGA-supported RISC-V CPU with 5-stage pipeline implemented in Verilog HDL

### Train Ticket

Jun. 2017

🔗[TimerChen/TrainTickets](#)

- Implemented the frontend UI for the Train Ticket project, a group project for Data Structure 2017 (CS147), ACM Class, SJTU.

## Chinese Land Battle Chess AI

Nov. 2016

 [Michaelvll/Chinese-Land-Battle-Chess-AI](#)

- Designed and Implemented a rule-based AI for Chinese Land Battle Chess, a course project for C++ Programming 2016(CS152), ACM Class, SJTU.

## Extracurricular Activity

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### Shanghai Film Museum Volunteer Project for SJTU

Shanghai, China

ORGANIZER & PARTICIPANT

Jun. 2017 - May. 2018

- Participated the volunteer activity once and enjoyed it
- Organized 7 volunteer activities for about 500 students in SJTU