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 ASSITANT   *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 pratice C++ programming

Honors & Awards

INTERNATIONAL

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

UNIVERSITY

2017	**Fan Xuji Chancellor's Scholarship**, (12 students per year)	*Shanghai Jiao Tong University*
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

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