



Yuanzhi LIANG

Beihang University

B.S. Computer Science
(3.7/4.0)

Connect

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Education

Beihang University

Sep 2015 - Jun 2019

Shenzhen Middle School

Sep 2012 - Jun 2015

Interests

Computer Architecture

Web Development

Artificial Intelligence

Skills

Language

C# | C++ | C | Java | Python

System Development

Verilog HDL | MIPS Arch |

FPGA | OS Kernel

Web Full stack

Experiences

Operating System Porting (Personal project)

July 2017

- * Ported JOS to a new architecture (Aarch64) on Raspberry Pi 3.
- * Is the first ever JOS porting for Raspberry Pi 3 with file system service demo working.
- * <https://bitbucket.org/tonnylyz/rpi-1>

MIPS Pipeline CPU Design (Personal project)

June 2016

- * Designed a mini MIPS system using Verilog HDL from scratch.
- * Implemented over 40 instructions (Pipeline design) and basic FPGA I/O.
- * https://bitbucket.org/tonnylyz/pipeline_fpga

Founder of SZMS Student Activity Association Web Dept. Sep 2013 - June 2014

- * Worked on developing a collaborative website (SAAO) enormously increasing working efficiency.
- * Taught classes of web development and programming.
- * Website: <https://xuehuo.shenzhong.net>
- * SAAO: <https://github.com/Xuehuo/SAA-Online>

Member of SZMS FORMS

June 2014 - Jan 2017

- * FORMS is a team of 20 students aiming to reconstruct their high school campus in Minecraft.
- * Developed plugins and deployed it on server enabling collaboration for teammates and online sightseeing for other students.
- * <https://forms.ms>

CAS Website (Personal project)

Feb 2013 - Present

- * CAS (CLASS) is a website for high school class which enables students to fetch or share updates.
- * Helped a lot in my high school class and was praised for the convenience it brought.
- * <https://cas.lyzde.com>

Honors

3rd Place of Beihang Capture The Flag Contest June 2017