

# ZHENG RONG WANG

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[seanzw.github.io](https://seanzw.github.io)

## EDUCATION

**Tsinghua University**, *Department of Electronic Engineering*  
Bachelor of Engineering in Electronic Engineering  
GPA: 91/100 Rank: 30/241

Beijing, P.R. China  
Aug. 2012 - Jul. 2016(expected)

**ETH Zürich**, *Department of Information Technology*  
Exchange Student, International Academic Program  
GPA: 5.50/6.00

Zürich, Switzerland  
Sept. 2014 - Feb. 2015

## PROFESSIONAL & PERSONAL SKILLS

Mathematic: Familiar with calculus, linear algebra, probability theory, discrete mathematics, algorithms.

Computer Capability: Skilled at C/C++, Python, MATLAB.

Language Proficiency: English: Toefl 114; German: B1 Level(MCER).

## SELECTED PROJECTS & INTERNSHIPS

MicroPython on FPGA, Dept. EEE, Imperial College London

Jul. 2015 - Aug. 2015

- Supervised by Prof. Peter Y. K. Cheung, Head of Dept. EEE.
- Port MicroPython on Altera DE0-Nano-SoC FPGA.
- Build FFT example with DMA.
- Repo: <https://github.com/seanzw/MicroPythonFPGA>

Computer Vision Engineering Internship, DeepGlint

May. 2015 - Jun. 2015

- Work in the computer vision group to develop a skeleton recognition system.
- Use OpenGL to develop a "mirror" demo.

Computer Graphics in ETH Zürich

Sept. 2014 - Dec. 2014

- Use JavaScript and WebGL to implement computer graphics technologies.
- Ray tracing, normal mapping, BRDF, Perlin noise, B-Spline, etc are implemented.
- Demo: <https://seanzw.github.io/ETHZ-CG-2014>

## AWARDS AND HONORS

Second-class Scholarship for Excellent Freshmen, *Tsinghua University*

Oct. 2012

Wang Zhaosheng Scholarship for Excellent Student from Dongguan, *Wang Zhaosheng Foundation*

Oct. 2012

Second Prize in 30<sup>th</sup> Chinese National Physics Contest(non-physical group A)

Dec. 2013

Ranked No.5 in National Matriculation Test(Science), Guangdong Province (5/600,000)

Jun. 2012

## EXPERIENCE

### Courses in CS

- Stanford University, Compilers by Alex Aiken
- MIT, Operating System Engineering
- University of Washington, Programming Languages by Dan Grossman
- Stanford University, Machine Learning by Andrew Ng
- Princeton University, Algorithms Part I & II by Robert Sedgwick
- MIT, Introduction to Computer Science and Programming
- MIT, Introduction to Probability

Children Education Program Volunteer, *Dream a Dream, Bangalore, India*

Jul. 2013 - Sept. 2013