

Xinqi Zhu

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Education

- 2014–2018 **Bachelor in Computer Science & Technology**, *Shanghai Jiao Tong University*, Shanghai, 87.81/100(3.70/4.3).
(expected)
- 02–08 2017 **Exchange Student**, *The University of New South Wales*, Sydney.
(expected) Exchange program provided by SJTU and UNSW. Offered with remission of tuition fees.
- 2011–2014 **High School Student**, *Shishi High School*, Chengdu.
Won second prize at National Olympiad in Informatics in Provinces (high school) 2012
- 2008–2011 **Middle School Student**, *Shishi Union Middle School*, Chengdu.
Won first prize at National Olympiad in Informatics in Provinces (middle school) 2011

Selected Projects & Experiences

- 03–04 2017 **My Messaging Application**, *Computer Network & Application*, Sydney.
Implemented a terminal-based instant messaging application. This is a course project of the Computer Network & Application at the University of New South Wales. Please go to <http://zhuxinqi.space/project/messagingapplication.html> for more information.
- 01–02 2017 **Machine Learning self study on Coursera**, Chengdu.
Complete the Machine Learning course on Coursera Mooc website (by Andrew Ng from Stanford University) with a grade of 98.8/100.
- 11–12 2016 **Web App for Matting**, *Software Engineering Course*, Shanghai.
Built a Web App for portrait matting using KNN Algorithm (based on the paper KNN Matting). The website was built with PHP, JS and MYSQL, and the algorithm implemented with MATLAB.
- 10–12 2016 **Interpreter for SimPL Language**, *Programming Language Course*, Shanghai.
Built an interpreter for SimPL language with functionality of Polymorphic typing, Beta reduction and imperative features. Implemented with Java.
- 07–08 2016 **Personal Home Page**, Chengdu.
Built my static personal home page zhuxinqi.space with html and javascript. The page is now stored on GitHub
- 05–06 2016 **Wireless Firmware Update for TI Board**, *Embedded System and Microcomputer Principles Course*, Shanghai.
Built an Android application which can wirelessly flash a firmware into a TI board(TM4C1294XL) with Java.

- 05-06 2016 **Modification on the Scheduler of Android**, *Operating System Course*, Shanghai.
Modified the scheduler of Android to test the differences on Round-robin, FIFO and default process schedulers.
- 02-03 2016 **Course Selection Assistant Tool**, Shanghai.
Built a small executable program to assist course selection on SJTU course website. It was implemented in Python with Selenium.
- 09-10 2015 **Genetic Algorithm in Calibration**, *Statistical Inference Course*, Shanghai.
Implemented a program using genetic algorithm to find the minimum cost calibration scheme of an electronic sensor based on the known data using MATLAB.
- 04-06 2015 **A Little Car Following Black Line**, *Science and Technology Innovation 2B Course*, Shanghai.
Implemented a program on Mac to scan the map and send commands to a little car to follow the drawn black line. It was implemented with C++ and OpenCV. The little car was compiled with Arduino.

Languages

Chinese **Native language**

English **Intermediate**

IELTS:7.0, L:7.0 R:8.0 W:6.5 S:6.5

Skills

Good at: Java/C++/MATLAB/Python/LaTeX

Familiar with: Prolog/PostgreSQL/PHP/HTML/JavaScript

Hobbies

Sports Badminton, Swimming, Pool, Skateboarding.

Drawing & Painting Particularly love sketching on computer and Chinese painting.