# Mr. Zhou Yu

**Email**: **yuzhou85@gmail.com**                                    **Phone: +(86)13940926364**

**Beijing, China**

**Homepage: http://www.zzyzz.top**                        **Blog: http://www.cnblogs.com/zzyzz**

## EDUCATION

**BS degree in Communication Engineering**                            *Sep'05 - Jul'09*
Dalian Jiaotong University (DJTU), Dalian China

## EXPERIENCE

**Intel Mobile Communication Technology (Beijing) Co., Ltd**                *Dec'14 - Present*
Current job role: Next generation product XFT (Cross Function) verification lead
Senior software test engineer (Test R&D Engineer) in Dept. of MPS (Modem & Platform SW Group) of Intel

**Project 1: Develop test team's automation framework**
- Developing automation framework with Python which been designed for operating both modem chipsets(Socket) and network simulator (API of Anritsu control software 8475/8470) by a control PC automatically

**Project 2: RTD automation framework Integration**
- Deploying RTD(Rapid Test Designer, one commercial test cases editor which is provided by Anritsu corporation) automation test suit from SmartPlay (Perl based Auto framework) to PAT (Python Automation Test framework - Intel's standard global wide Automation Test framework)

**Project 3: Develop test team Community**
- Developing 'MFT Community' (Internal used blog) with the combination usage of Python Django and SQL which target for achieving the efficient knowledge sharing within team members across variety projects. This community also roles as reference logs sharing database which makes both test engineers and software developers easily get a reference log.

**Project 4: RTD test case scripts development**
- Scripting 30+ RTD IRAT (Inter RATs mobility within LTETDD, TDSCMDA and GSM) scenarios' test case scripts which covered connected mode IRAT mobility scenarios (Handover, Redirection) as well as idle mode scenario (Reselection) and so on.

**Project 5: Intel Modem official certification**        *Dec'14 – Sep'15 role as cooperative researcher*
- Onsite support for CMCC (China Mobile Communication Corporation) certification, CUC (China Unicom Corporation) certification, CATR (China Academy of Telecommunication Research) certification with CTPS, RRM, CTRF, USIM, International Roaming scopes. With the cooperation with different teams as well as the communication with Cert. hosts made the project achieved as planned.

**Huawei Technologies Co., Ltd (Research partner)**                        *Mar'14 - Nov'14*
Working in Hisilicon 2012 Laboratory of Huawei Beijing Research Institute
Senior Automatic Test Communication Engineer
- Responsible for the work about Bug fix Continuous Integration and Releases Verification
- Analyzing test logs to determine the failure reasons of those failed test (Mainly judge from whether the signaling behavior is correct or not base the knowledge of 3GPP protocols), aiming to found the defects of modem chips from both hardware and software view.
- Maintaining TTCN test case scripts and fix the scripts' bugs which been found during the release regression testing.

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**Sunwave Communications Co., Ltd**                                                             *Jun'09 - May'12*

Engineer in Research and Development Dep. at Sunwave

**Project 1: CDMA Indoor Signal Distribution System combine with WLAN coverage of Dalian Yida Group**

**Project 2: CMMB (China Mobile Multimedia Broadcasting) system of Dalian WAL-MART SAM SHOP**

- Carried out analysis of the plan layout and wireless network optimization. Field test and analysis of the electromagnetic environment to survey of the wireless environmental. Confirmation the feasibility of the usage of wireless master unit do signal coverage. Wireless master unit + trunk amplifier (relay) + indoor antenna. Installed the equipment and verified signal system.

## RESEARCH

**Research Assistant with Professor Shaohua Chen at DJTU**                             *Jun'12 - Sep'12*

The structural of digital buses communication dispatch using wireless paging technology (Wavecom GPRS module). Displayed information to a LED screen in real time via a commercial programmable processor of Cygnal.

- BTS (Base Transceiver Station) paging MS (Mobile Station) via PPCH (Packet Paging Channe1)
- MS decodes PPCH then responds paging and requests random access via PRACH (Packet Random Access Channel)
- BTS grants the random access through PAGCH (Packet Access Grant Channel)
- MS monitoring PACCH (Packet Asscrchted Control Channel) for decoding GPRS signaling and PDTCH (Packet Data Traffic Channe1) for decoding data service
- Displayed the information (data) to a LED screen in real time

**Research Assistant with Professor Yuming Guo at DJTU**                               *Oct'08 - Jan'09*

- Matlab the optimal detection algorithm (TDOA, Time Difference of Arrival) of a real wireless positioning system (CHAN and FANG algorithms) in order to reduce the timing error sequential measurements obtained by the fed to Calman tracking to determine and locate the position with high degree of accuracy.

## PUBLICATIONS

**Design of LED Control Terminal of Vehicle information publishing system based on GPRS**

- 1st Author Scientific Paper **Wireless Communication Technology** 2012, 21(4):48-51
  Link - http://mall.cnki.net/magazine/Article/WYWT201204012.htm

## AWARDS

- Intel Amazing Work Here - Recognition of Quality by site manager
- Intel Amazing Work Here - Recognition of Results Orientation by global project lead
- Intel Amazing Work Here - Recognition of Quality by direct manager

## TRAINING

**\* Welcome to visit my homepage to check details of the training as well as the related certificates**

- Become a Full-Stack Web Developer, Lynda Online Certificate, 2017
- Become a Python Developer, Lynda Online Certificate, 2017
- Become a Cloud Developer, Lynda Online Certificate, 2017
- Become a Software Quality Assurance Engineer, Lynda Online Certificate, 2017
- Master In-Demand Skills for Technology Leadership, Lynda Online Certificate, 2017
- Become an Instructional Developer, Lynda Online Certificate, 2017

## SKILLS

- Working level proficiency in Python and Perl.
- Automation test framework development and modem test case scripts' development
- Deeply involved in modem product verification process as well as projects management flow.