

# Resume

**Name:** Shao Yixie

**Gender:** Female

**Date of Birth:** 21.08.1986

**Nationality:** China



## Education:

- ◇ **2014.9 –2015.7** *Facultat de Matemàtiques i Estadística (FME) in Universitat Politècnica de Catalunya (UPC), Barcelona, Spain.*  
Major: *Advanced Mathematics and Mathematical Engineering (MAMME)*  
Degree: Master
- ◇ **2011.2 –2011.7** *Barcelona School of Telecommunications Engineering in UPC, Barcelona, Spain, as an exchange student.*
- ◇ **2009.9–2011.1** *School of Electronic Information Science in Wuhan University*  
Major: *Radio Physics (this major is about the application of radio wave for ocean remote sensing technology)*  
Degree: Master
- ◇ **2005.9–2009.6** *School of Electronic Information Science in Wuhan University*  
Major: *Electronic Information Science and Technology*  
Degree: Bachelor

## Work Experience:

- **2012.10–2014.2** *Hangzhou RFID Research Center Chinese Academy of Science, Test Engineer.*

Main task is measuring and testing the antennas, RFID tags and RFID readers.

Besides I am in charge of the Laboratory Certification Project. I compiled many documents about this project, such as quality manual, program documents, and so on. In September, 2013, the lab gets the certification of CNAS.

- **2011.7–2012.9** *Radar and Electronic Equipment Research Institute, China Aviation Industry Corporation, Radar system Engineer.*

The working range was designing, testing and debugging the weather radar system. As a system engineer, I participated in the designing new weather radar system and building up the test environment for the prototype. I

needed to cooperate with the engineers from the sub-systems, find all the problems causing by combining the all the parts of the system and fix the debugs with partners. Meanwhile, I needed to compile technique documents about the design, test, and quality control during the work.

I participated in the COMAC919 program (The project link: <http://english.comac.cc/products/ca/pi/>). In this project, main task is to negotiate and discuss about the technical problem in design with them with the foreign suppliers, and design the interface for all the parts.

➤ **2010.7—2010.8** Ningbo Branch of China Telecom, Internship.

In IT service support department. My task was analyzing data, which is used to support the telecommunication service.

## **Project Experience:**

### **2014.12--2015.7 Code-Carrier Divergence Monitoring for a Ground Based Augmentation System (GBAS)**

Description:

GBAS is a ground system used in airports for monitoring GPS data and providing improved precision in airplane positioning. The final aim is allowing automatic landing for civil-aviation applications, meeting all international security requirements. The GBAS prototype of gAGE/UPC needs to characterize the error distribution of code-carrier divergence data from GPS and then implement its monitoring in real time. This project analyzes a novel approach based on the CUSUM method, which are already used for quality control in the industry. A new monitor is implemented fo detecting Local ionospheric gradients, which are major threats to the GBAS.

### **2008.9—2011.1 Detecting the ocean dynamic parameters using HF Radar Ocean**

Description:

It is a big project about Marine technology funded by State High-Tech Development Plan in China. Ocean State Monitoring and Analyzing Radar(OSMAR) is developed by Radio Wave Propagation Laboratory of Wuhan University. During that time, I was studying there and engaging in this project. From September, 2008, to July, 2009, my study is mainly about **Configuration of Working Frequencies for Wave Measurements in Multi-frequency HF Surface Wave Radar**. The configuration of working frequencies is vital for wave parameters detection in Multi-frequency HF Surface Wave Radar (HFSWR). I focused on the mapping relationship between radar frequencies and those of wind waves, based on the first-order and second-order Barrick's backscatter equations. From September, 2009, to January, 2011, my study is about **Theoretical and Experimental Study on Bistatic HF Radar Ocean Surface Scattering**. The theory and algorithm about HF radar bistatic measure of surface current were studied. And the current maps were obtained by processing the experiment data, which were got during the simultaneous experiment that carried out in Dongshan, Longhai

and Chihu, where are all located in Fujian Province, in 2010.

**Language:**

- ◇ English
- ◇ Chinese
- ◇ Spanish

**Honors & Awards:**

- ◇ 2009.09 Scholarship for Master
- ◇ 2007.12 College Scholarship
- ◇ 2006.12 College Scholarship
- ◇ 2005.09 Scholarship for new students
- ◇ 2005 Third prize for the competition of Painting and Calligraphy in school

**Training:**

**2007.10—2008.3** Course of German for 500 hours in the foreign languages school of Wuhan University

**2007.7—2007.8** International spoken English course

**Self description:**

Strong ability to learn some new things quickly, and great adaptive capability.