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## Education background

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| ● 2002.9-2005.7 | Tianjin University | Major: applied physics | Science master   |
| ● 1998.7-2002.7 | Nankai University  | Major: applied physics | Science bachelor |

## English and computer skills

Passed national English test (CET-6) in 2000.

Be good at reading, can read technical materials related to SPC, MSA and FMEA.

Be fluent in oral English, can communicate with internal and external customers in English freely.

Be familiar with SAS base, macro, SQL, stat procedures

SAS certified base & advanced programmer

## Projects & working experience

### 2005.7till now Worked as SPC engineer in SMIC(Semiconductor Manufacturing International Company)

- Be in charge of the job of SPC (Statistical Process Control). Use statistical method and SAS software to analyze huge amount of data in industrial area and continuously improve the inline process quality. Report to customer about inline key process Cpk index and conduct the monthly SPC meeting company wide. Be very familiar with common statistical method and QC 7 method, especially good at JMP&SAS software. I have the ability of deal with huge amount of data using SAS programming. Currently, I play a statistical consultant role in company wide.
- Currently, my main job is about iEMS(intelligent Equipment Monitoring System). It is well known that the manufacturing process is complicated in IC field. Therefore, it is necessary that engineer can detect the abnormality of equipment asap. The more quickly, the more money we can save. iEMS is such a system that it accumulate all necessary key parameters in a equipment, use statistical method and SAS system to define a reasonable control limit for each parameter, hold lot/equipment if potential excursion happens.
- I have also cooperated with IT to develop a system name e-OCAP system. Originally, each module has its own SOP to deal with the OCAP (Out of Control Action plan). Yet misoperation can happen due to the manually handling procedure. Therefore, e-OCAP system is designed to meet all the module's process requirement, and also can prevent the manually misoperation happening.
- Be also in charge of the job of metrology tool calibration & MSA to make sure the precision and accuracy of inline measurement. As a MSA and SPC key person, I have experienced many customers' audit including ISO, TS16949 and TL9000.
- As a statistical process control sponsor, I have provided basic and advanced process control training, MSA and FMEA training company wide. At the same time, I am also the consultant of statistical method and data analysis.
- As a key person related to SPC,MSA and iEMS, I have experience many audits including customer audit, quality system audit and others. Due to excellent English skills and presentation ability, I have been praised.
- I am familiar with SAS basic and advanced programming including SAS base, stat, SQL and macro. I am especially familiar with ANOVA, regression, logistic and categorical data analysis. I am crazy in statistical programming. I have read some books about the SAS programming in pharmaceutical industry and am willing to do SAS programming job in industrial field. Currently, I am co-working with IT partners to do the iEMS control limit optimization project using the SAS software.

### 2003.6-2004.10 Study at Tianjin University Bioinformatics Center(TUBIC)

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- Engaged in data mining in biological field. I have utilized C++ programming language to develop the gene identification program in bacterial genomes – ZCURVE 2.0 which is regarded as one of the most accurate gene finding program among bacterial gene finding field. This program has been widely used among 30 institutions and colleges around the world.

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### **Self-evaluation**

- Honest, disciplined. Have good ability of cooperating with others.
- Have 3 years of quality experience in a foreign company(IC manufactory).
- Have good command of SPC knowledge.
- Have good knowledge of statistics and SAS&JMP software. Can use SAS programming to analyze different types of data. Passed SAS basic and advanced programming.
- Be fluent in English especially speaking and writing.
- Passion for work and have good physical body and are strong mentally. Be able to work independently.
- Are desired to learn more.

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### **Hobbies**

Crazy for soccer, badminton and table tennis. One of founders of Table Tennis Association in Tianjin University

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