

# 重庆大学

## 工程实习教育课程报告



2021 至 2022 学年第二学期

报告主题: Information Interview Report

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# **CQU-UC Joint Co-op Institute (JCI)**

## **Student Project Report**

### **Information Interview Report**



**Institution** CQU-UC Joint Co-op Institute (JCI)

**Grade** 2018 **Major** Mechanical Engineering **Class** 01

**Student Name** Yi, Hongrui **Student Number** 20186103

**Academic Year** 2022 Spring

**Course Code:** COOP40001 **Instructor** Ran, Moli

**CQU-UC Joint Co-op Institute**

**April 2022**

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# INFORMATIONAL INTERVIEW REPORT

## **PART I: Interview Preparation**

### 1.1 Information of the Interviewer

- Name: Yi, Hongrui
- Major: Mechanical Engineering

### 1.2 Overview of Interviewee

- Name: Xiao, Song
- Company: Wuhan University
- Position: Associate Professor, School of Electrical and Automation

### 1.3 Experience of the Interviewee

#### *1.3.1 Learning experience*

- 2018.09-2018.12, Visiting Scholar, Technical University of Dresden
- 2014.09-2016.07, PhD in Plasma Engineering, University No. 3, Toulouse, France
- 2011.09-2016.06 Chongqing University, PhD in Electrical Engineering
- 2007.09-2011.07 Chongqing University, Bachelor degree in Electrical Engineering

#### *1.3.2 Working experience*

- 2018/07 - Present, Associate Professor, Master supervisor, School of Electrical Engineering, Wuhan University

- 2016/07-2018/06, School of Electrical Engineering, Wuhan University, Postdoctoral Fellow
- 2014/09-2016/07, Laboratory of Plasma and Energy Conversion, French National Academy of Sciences, PhD candidate

## 1.4 Reasons of the Interview

Firstly, this interview meets my personal interests. Professor Xiao, Song studied in the school of electrical engineering of Chongqing University for his undergraduate, master's and doctoral degrees. I met Professor Xiao, Song through the introduction of one of the seniors in my college, but I'm not very familiar with him. However, due to Wuhan is my hometown, I am familiar with Wuhan University, in which he is working right now. I'm also very interested in Professor Xiao, Song's research direction.

Secondly, the time of the interview could be set up appropriately. it happened that Professor Xiao, Song went back to Chongqing University to visit his teacher this month, so there is a chance for me to make an appointment with him for this interview.

Thirdly, I think to meet a professional who works in a career field I would like to pursue could help me to obtain pertinent information about the field and develop an initial contact in the field. It will help me to obtain valuable information I can't get elsewhere and make valuable contact that may lead to other contacts. I could build my professional network.

## 1.5 Origin of the Interview

I know Professor Xiao, Song in the 90th anniversary celebration of Chongqing University. As the vice team leader of summer practice program named "Ten Colleges and Universities Jointly Looking for Alumni" in our university, I got to know Professor Xiao, Song through the introduction of my senior, and then I was responsible for the reception of Professor Xiao, Song's visit.

He is a very young professor, and we talk nicely, so we then naturally exchange our Wechat. And after that, we still chat from time to time, as I like to ask him some professional and career planning questions. However, we have never discussed these questions in depth, and this interview is a good opportunity for me.

## PART II: Reflective Discussion

### 2.1 Gains of the Discussion

#### *2.1.1 Gains from the Major*

Firstly, I realized the importance of interdisciplinary studies. Professor Xiao, Song's research direction is mainly high-voltage electricity and insulation technology. Talking about scientific research, Professor Xiao, Song couldn't help sighing that "this subject is particularly interesting". It's not difficult to see that if you want to make achievements in scientific research, your interest is still the best teacher. " This is an interdisciplinary subject, which is combined with chemistry, physics, materials, communication, medicine, law and economy. "

Secondly, I felt the importance of being an engineer. Professor Xiao, Song is full of confidence in the future development prospect of this discipline. He frankly said: " what engineering students study is "landing". As long as the technology is mature and the experiment is effective, we can see the civil popularization of technology in the near future. In addition, the combination of high-voltage electrical equipment and the Internet of things also has excellent development prospects. Transformers, GIS and other equipment will be inseparable from the Internet of things technology and big data monitoring. "

I learnt that I should combine my interests with my major. Professor Xiao, Song recalled that he organically combined his interests with scientific research competitions and student work in his student days. Starting from SRTP, which many undergraduates have participated in, he was keen on various scientific research related community activities and served as the director of the academic department of the student union of the Institute of electrical engineering at the graduate stage. He chose electrical major. Relying on the high-quality platform of Chongqing University, he completed the study of undergraduate, master and doctor degrees, went to France for further study, and successfully completed the study of Chinese and French doctors.

#### *2.1.2 Gains from the Career*

Professor Xiao, Song summed up the following elements:

- Personal internal elements: including professional character, interests, professional values, that is, what do you want to do.
- Business value elements: existing knowledge, skills, experience, contacts, what can you do.
- External environment elements: including macro industry, organization, family and other aspects, that is, what does the environment support you to do.

Therefore, for my future career planning, I should first consider my inner thoughts. Doing what I like will play a positive role in guiding my future career and form positive feedback easily. The second is to consider their own positioning, they have relevant industry contacts, knowledge

reserves, relevant industry experience, etc.. What's more, there are external factors, such as whether this industry has a development prospect and whether my family situation can support me to pursue further development in this field

## 2.2 Things Appeals to Me

I was first moved by Professor Xiao, Song's gratitude. "Many important teachers have had a far-reaching impact on me, both academically and professionally, as well as on the truth of being a person and doing things, including my graduate tutor Professor Zhang Xiaoxing, post doctoral cooperation tutor and the academic leader of the team Professor Tang Ju." During my undergraduate course, what impressed me was Mr. Huang song, who taught electromechanical courses. " Professor Xiao, Song recalled that Mr. Huang song taught the most difficult course in the hearts of undergraduate electrical students in simple terms and vividly. He couldn't help feeling that the teachers of Chongqing University represented by Mr. Huang song have excellent teaching style, rigorous scientific research attitude and vivid teaching characteristics. "Thank Mr. Huang song very much. He has a good influence on my study and work attitude!"

Secondly, I also felt Professor Xiao, Song's passion for life. Professor Xiao, Song, who is pragmatic and serious about scientific research, also did some "immoral" things that many young students love to do when they were students. "I often preside over the evening party activities of the Institute of electrical engineering, and I also preside over the Chinese Spring Festival party in the Pyrenees region when I went to study in France." He loves to socialize, likes to play "Renren" in his undergraduate course, and has met many like-minded friends. "Some young people may have few friends, but they will not have no hobbies. If they use their expertise to meet people with similar interests, they can move from one circle to another, know more people and learn more interesting things." Xiao, Song said, "if you want to learn well and play well, sometimes you have to sacrifice some rest time." Although Professor Xiao has some regrets about the years, the youthful blood and passion of that year still show in his eyebrows and eyes.

Finally, I was moved by Professor Xiao, Song's understanding of the important spirit. He summarized it as "dare to fight, win and admit defeat". "Located in the southwest, we are a comprehensive university focusing on engineering. How to create more scientific research achievements under the condition of relatively less abundant resources? It is the spirit of daring to win and not admitting defeat that supports generation after generation of heavy adults to work tenaciously and hard. This also coincides with the major twelve character school motto".

## PART III: Actionable Outcomes

### 3.1 Identification of Skill Gaps

- Strengthening of professional basic knowledge
- Dare to fight dare to do work attitude
- Talk to people in my industry more actively
- Improve my degree (PhD)

### 3.2 Consideration of Strengths

First, keep fit. The body is the capital of the revolution, I like long-distance running, I strong my body in long-distance running, but also promote the quality of my persistence. This habit can be applied to my study to strengthen and consolidate my professional knowledge and give me a deeper insight into my profession, which is of positive significance for my future study and career planning. Secondly, only with a good knowledge base can we have confidence, have sufficient reasons to make innovations, and maintain a bold attitude in our work and study.

Then, be good at communication. Because everyone's educational background and knowledge reserve are different, exploration and research with people in different fields and research directions can produce collision of thinking and new ideas, which may be conducive to scientific research. Finally, I should actively search for information about my doctorate. I have a strong ability to collect information, so I can reduce information asymmetry in this way, so that I can get the ideal doctoral admission and continue to improve my education.

### 3.3 Development of Goals to Address the Gaps (CliftonStrengths assess result)

**Specific:** I will first take part in the research program of Biosignal research in origami-based AR/VR mechanical touch and human-computer interaction, and finish a paper on this research, so as to meet the academic requirements of my doctoral application.

**Measurable:** I will complete 4 hours of code integration, 2 hours of paper reading and 2 hours of paper writing every day.

**Achievable:** I have previous code integration experience in two machine learning projects, so I have relevant experience in this area. In addition, I have enough time to advance this matter in my next internship period from May to August in 2022.

**Realistic:** This project is a joint project of Zhejiang University and Xihu University, with the guidance of technically experienced professors and PHDS, as well as the relevant timeline to advance nodes.

**Time-bound:** The deadline is August 2022.



## **PART IV: Thank you Email**

Dear professor Xiao,

Good morning/evening.

I'm writing to you to thank you again for your valuable time to share your experience and suggestions for me. I truly learnt a lot from this interview with you. Next time, I will go to Wuhan University to visit you and bring some snacks from Chongqing if you have time!

Best wishes,

易弘睿

Hongrui Yi

重庆大学-辛辛那提大学联合学院

Chongqing University-University of Cincinnati Joint Co-op Institute

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Mechanical Engineering

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## APPENDIX- Interview photos

