Xiong Chun

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Education Background

09/2012-06/2016 **University of Electronic Science and Technology of China (UESTC)**

Software Engineering Embedded Systems / Bachelor GPA：3.5/4; Rank:11/105

Research Experiences

Hardware and Software Development of STEM Education [Company R&D project] *06/2016-07/2019*

- STEM Innovative education begins in primary and secondary schools. Students can learn programming by graphical programming software， they can create product by intelligent electronic hardware and while learning ways and means of innovation creation.
- Develop a graphical programming software platform, Develop a range of intelligent hardware.
- Develop 8 products, Applied for 15 patents and 7 software copyrights.

Non-invasive blood glucose meter [Company R&D project] *01/2015-05/2016*

- Diabetes is the most common disease that is difficult to cure. A non-invasive blood glucose meter will solve the problem of traumatic blood collection. Infrared light analysis is used to indirectly measure human blood glucose data and a new type of detection instrument needs to be designed.
- Project design, circuit design, algorithm design, applied for 2 patents.
- Patent1: **C. Xiong**, W. Jiang, C. S. Gao, J. H. Huang, “A wireless non-invasive intelligent blood glucose meter” CN Patent for Utility Models, Serial No:CN206482579U,18/05/2016.
- Patent2: **C. Xiong**, W. Jiang, C. S. Gao, J. H. Huang, “A wearable smart blood glucose meter” CN Patent for Utility Models, Serial No:CN205795708U,18/05/2016.

Smart stethoscope [Company R&D project] *01/2015-05/2016*

- To develop a new type of stethoscope, which will collect the human lung sounds, quantify and mark the symptoms, collect large amounts of data, and use machine learning to extract features for auscultation and judgment children's cough, respiratory disease detection.
- Project design, 3D modeling, data acquisition, data algorithms, patent writing.
- Patent: **C. Xiong**, W. Jiang, C. S. Gao, J. H. Huang, “Digital stethoscope and a method for filtering heart sound to extract lung sound” CN Patent for Invention, Serial No:CN106022258A,18/05/2016.

Smart vacuum cleaner [School Innovation Fund Project] *09/2013-05/2014*

- Based on single-chip microcomputer control, embedded operating system, ultrasonic sensor barrier technology disc-shaped vacuum cleaner, try to implement the algorithm to achieve the maximum indoor area cleanup.
- Using Altium Designer to draw PCBs, make circuit boards, transplant tiny operating systems, and write control programs.
- 1st Prize in National University Student Intelligence Design Competition, 2014.

Embedded word processing system development [School Innovation Fund Project] *03/2013-04/2014*

- Using EM310 module programming on the single-chip microcomputer to achieve short messaging, telephone dialing, GPRS Internet access.
- Using Keil programming control microcontroller to achieve GPRS.

Work / Internship Experiences

07/2016-06/2019 **Sichuan Taiji Xiong Technology Co., Ltd.** **Founder and CEO**

Team building, product development, marketing and company operating；
Software and Hardware Design and Development of STEM Education；
Product application market research and analysis；
Carry out courses and sales products in thousands of schools.

01/2015-06/2015 **CRRC Information Technology Co., Ltd.** **R&D Engineer**

Participate in freight train operation control optimization system；
Embedded system control terminal software system development;
Software white box test, black box test and function test development.

06/2014-08/2014 **Chengdu Haocaiduo Agricultural Technology Co., Ltd.** **R&D Engineer**

Build a ZigBee-based smart agricultural monitoring system for the company's agricultural production base and realize agricultural production informatization.

08/2013-10/2013 **Chengdu Pandora Information Technology Co., Ltd.** **Project Manager**

Sort out and updating of website background data. Completed www.tsichuan.com "Sichuan fun" website background data maintenance.

Awards and Recognitions

- 1st Class People's Scholarship,2014.
- 1st Prize in National University Student Intelligence Design Competition, 2014.
- National Inspirational Scholarship,2015.
- The Samsung Scholarship,2015.
- Innovative and Entrepreneurial Outstanding Individuals of UESTC, 2015.
- 2nd Prize in Excellent performance in STEM 2015 International Summer School (Beijing Normal University),2015
- 1st Prize in China (Chengdu) International Software Design & Application Competition, 2016.
- The Silver Award in National College Graduates Entrepreneurial Competition,2016.
- Undergraduate Excellent Bachelor Dissertation of UESTC,2016.
- 1st Prize in the China-US Young Maker Competition in Beijing,2018.

Extracurricular Activities

09/2013-06/2015 **Baidu Campus Club** **Chairman**

Operation and management of the Baidu Club at Shahe Campus, and jointly conducted "geek" activities with Beijing Baidu.

12/2012-05/2014 **Embedded Studio** **Leader**

Responsible for interior project management, technology research and development, technical training, staffing, team building and external contacts.

06/2013-05/2014 **College Youth League Organization** **Department Minister**

Responsible for the work of various departments and meeting arrangements, organize college students to carry out many extracurricular activities.

More Information

Computer Skills: Proficient in Python, C, SolidWorks, Altium Designer.
Hobbies: Badminton, Swimming, Marathon, Hiking.