



CAI RUI

PROFILE

- Embedded software engineer in IoT system development.
- Experience with agile development and efficient team working.
- Passionate to communicate with people from various cultural background.

CONTACT

Email:

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LinkedIn:

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LANGUAGES

Chinese Mandarin – Native

Chinese Cantonese – Native

English – Fluent

Norwegian (Bokmål) –

Intermediate

Arabic (MSA/الفصحى) – Basic

Conversation

Spanish (Castilian) – Basic

Conversation

Japanese – Beginner

HOBBIES

- Classical Guitar • Travel • Hiking
- Reading

EDUCATION

BACHELOR IN COMPUTER SCIENCE AND TECHNOLOGY, LANZHOU UNIVERSITY, CHINA
SEPTEMBER 2017 – JUNE 2021

- My bachelor's education gave me practical skills and competence to start my career as a software developer.
- Bachelor dissertation: The Design and Implementation of Photovoltaic Board Power Monitoring System

BACHELOR IN GEOGRAPHIC INFORMATION SCIENCE, LANZHOU UNIVERSITY, CHINA
SEPTEMBER 2016 – JUNE 2017

I mainly learned physical geography and Cartography, but it is not completed because I transferred to computer science and technology major in 2017

WORK EXPERIENCE

ASSOCIATE ENGINEER, ADVANTA DEVELOPMENT, SIEMENS

FULLTIME, SUZHOU, CHINA

JULY 2021 - PRESENT

Responsible for research, development and maintenance in smart home IoT project on various platforms. Tasks include:

- SieNeuro System: Participated in the development and maintenance of this ZigBee based system for the intelligent control of household equipment.
- Smart Lock. Contributed to the major features such as the intelligent management method for the power consumption, extended battery life by optimizing door lock task processing time from 2 minutes to 500ms.

INTERN EMBEDDED SOFTWARE R&D ENGINEER, AEROSPACE INFORMATION RESEARCH INSTITUTE, CHINESE ACADEMY OF SCIENCES

FULLTIME INTERN, SUZHOU, CHINA

JULY 2020 - SEPTEMBER 2020

Participated in plugin development on a native mobile platform based on Android and troubleshooting for mobile devices and CI/CD maintenance on Gitlab.

CORE SKILLS

Embedded C/C++, HTML, JavaScript, CSS, MySQL, SQLite, Python, Linux, AWS IoT, OpenWrt, FreeRTOS, Software/Hardware IoT Testing

HONORS & AWARDS

School-level third-class scholarship	2018-2019
National Inspirational Scholarship	2017-2018, 2018-2019
Student pacesetter	2017-2018
Mathematical Contest in Modeling (MCM) Successful Participant	2018

REFERENCES

Jiang Shi Jun, former Lead Engineer in Siemens Advanta Development, contact: 674515895@qq.com

Zhang Gao Feng, the teacher of my interface and communication course and my bachelor dissertation supervisor, contact: zhanggaof@lzu.edu.cn