

# Huawei CBG-standard, IP and Research Division

## *Technology Research Engineer*

### **Location**

Beijing or Shenzhen

### **Responsibilities** (only require one of them)

1. Research of PHY, high layer in wireless communications (5G and 6G), including algorithm design, simulation evaluation and patent / standard proposal writing.
2. R&D on 5G communication protocols, and implement 5G + AI solutions in terminal products.
3. R&D of digital front-end architecture and key algorithm for future wireless communication systems, and competitive terminal digital chip solutions.
4. R&D of wireless sensing technologies based on ultrasound and radio frequency, including feature design, algorithm design, simulation and verification, and prototype development.
5. Explore innovative technical directions and cooperation opportunities, and output core patents, standard proposals, prototypes, etc.

### **Requirements**

1. Major in CS, electronics engineering, wireless communications, information engineering, automation and other related areas. Master or Doctor degree in 2021 or 2022 from overseas or Hong Kong, Macau and Taiwan universities
2. Solid skills and background in digital signal processing, automatic control, wireless communications or Artificial Intelligence.
3. Solid programming skills. Familiar with but not limited to one or several programming languages such as JAVA/C ++/ Python/JS/HTML/GO/Matlab/C. Familiar with the design of ARM, DSP or FPGA.
4. AI-related technologies and development frameworks, and relevant R & D experience is a plus.

Interested candidates please send the resume to the director Dr. Sihai WANG ([wangsihai1@huawei.com](mailto:wangsihai1@huawei.com)) or Wechat 13910110933. Short term internship positions may be available also.