

# Erhao Song

Male | 25yrs Old | Student | 17184090196 | erhao.song@gmail.com

Objective: Wireless Communication Engineer



## Education

2017.9 - Now	Beijing University of Posts and Telecommunications	Master
2013.9 - 2017.6	Beijing Information Science and Technology University	Bachelor

## Internship Experience

2018.10-2019.06	China Academy of Information and Communications Technology	LTE IQ Decoder
<ul style="list-style-type: none"><li>• Use equipment to collect The IQ data of different SNRs in the LTE TM3 mode</li><li>• Design LTE receiver simulation platform based on 3GPP Release 10</li><li>• Using Matlab to simulate the process of decoding IQ data by mobile phone</li><li>• Optimize the receiver algorithm to achieve 80% decoding performance of the terminal chip</li></ul>		

## Project Experience

2018.05-2018.08	Development and Verification of 5G Massive MIMO OTA Test System	NR PDSCH Simulation
<ul style="list-style-type: none"><li>• Design NR PDSCH link-level simulation platform based on gNB configuration and 3GPP Release 15</li><li>• Design CDL channel model based on channel model parameters of 3GPP TR 38.901 and test systems</li><li>• Peak throughput simulation of CDL-C and CDL-D channel models with different SNR</li></ul>		

## Honors

- Merit Student, Beijing Information Science and Technology University
- Excellent League Member
- The Third Prize Scholarship, Beijing Information Science and Technology University

## Skills

- Familiar with LTE physical layer protocol (36.211, 36.212, 36.213, etc.)
- Familiar with NR physical layer protocol (38.211, 38.212, 38.214, etc.)
- Familiar with wireless communication system structure and related algorithms, with rich link level simulation experience
- English: CET-6 (with great English document reading ability)
- Operating system: Understand Linux Git
- Programming language: familiar with Matlab, understand C++
- Passed the C language examination in the National Computer Rank Examination Level 2

## Social Practice

- The 26th Great Wall Cardiology Conference volunteers, responsible for serving foreign guests
- The volunteers of the Jide Technology, responsible for the introduction and display of the Remix Mini Android computer