

# Chen Gong | CV

No.92, Xidazhi Street – Harbin – China

📞 +86 18800412334 • ✉ gong-chenee@outlook.com

🌐 <https://jadeisolade.github.io/>

BEng in Communication Engineering, Harbin Institute of Technology (HIT), China

## Education

### Harbin Institute of Technology

*Bachelor of Communication Engineering, 90.1403, 20/123*  
School of Electronics and Information Engineering

**Harbin, China**

*2017–present*

## Publications

- Chengyao Yang, Gong Chen, Jinlong Liu, Research on key technologies of NovelCart smart shopping cart system, under review by 2020 IEEE CSPA
- Gong Chen, Chaoran Hu, A beam forming antenna based on the earth shape for micro-satellite, under writing, ISAP (planned)

## Experience

### Satellite research center

*Antenna designer*

**Harbin, China**

*2018.7–present*

In this center, I learn how to acquire new things and solve the engineering problem.

Detailed achievements:

- Designed a feed with good performance, and its material object is used in satellite ground station;
- Proposed a conical spiral antenna with special radiation pattern and the result would be used in the ASRTU satellite in the future.

### Innovation center

*Team member*

**Harbin, China**

*2018.10–2019.11*

In this center, I strive to get several honors and awards and fundings over 50,000 yuan.

Detailed achievements:

- We build a novel smart shopping cart with RFID, UWB positioning and Software based on Kivy, if course, AI algorithm accompanied;
- We win the national second price in the ICAN International Contest of Innovation (China) for this programme.
- We built a company and apply for a patent on the basis of this result and win the favor of HIT entrepreneurship Garden.

## College Students' Innovative Entrepreneurial Training Plan Program Harbin, China

Team leader

2018.11–2019.9

A IOT system some new ideas.

Detailed achievements:

- I successfully utilized the new AI chip Kendryte K210 which is useful in edge computing.
- An IOT system is established with good performance and low delay.
- Flower identification, Quantity recognition and prediction model is used in the project.
- A wechat programme and A Web page with logging system and controlling ability is created.

## Languages

---

**CET6:** 616

2018.6

**TOEFL:** 98

2019.3

**GRE:** unknown

planned

## Volunteer works

---

**Technical Talks:** Harbin Institute of Technology Amateur Radio Club

- Designed a feed with good performance, and its material object is used in satellite ground station;
- Proposed a conical spiral antenna with special radiation pattern and the result would be used in the ASRTU satellite in the future.

**hobby 2:** Description

**hobby 3:** Description

## Awards and Honors

---

The national second prize in the ICAN International Contest of Innovation (China)

University-level excellent student cadre (Top 10%)

University-level excellent student (Top 10%)

Huawei Scholarship (3/299)

Second, Third class people's scholarship (Top 10%, Top 20%)

## Skills

---

Application: CST, Altium Designer, Origin, Keil

Programming: C, Python, MATLAB