

# Chen Gong | CV

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🌐 <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*

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.

**Harbin, China**

*2018.7–present*

### Innovation center

*Team member*

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.

**Harbin, China**

*2018.10–2019.11*

## 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

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**CET6:** 616

2018.6

**TOEFL:** 98

2019.3

**GRE:** unknown

planned

## Volunteer works

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**Technical Talks:** School of Electronic and Information Engineering and BY2HIT

- Guided new coming students in School of Electronic and Information Engineering.
- Did lectures on the summary of Innovation based on my experience.

**Electronic training:** Harbin Institute of Technology Amateur Radio Club

- Delivered twelve C51 classes for freshers
- Gave elementary school students a vivid and interesting manipulation of MATLAB, circuits, and other knowledge

## Awards and Honors

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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

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Application: CST, Altium Designer, Origin, Keil

Programming: C, Python, MATLAB