

JIAYI GUO

Self-Evaluation:

I am an enthusiastic and proactive electrical engineering student with a keen ability to learn quickly and adapt to new knowledge. I maintain a constant curiosity towards research topics, coupled with a strong sense of responsibility and attention to detail. Additionally, I possess a conscious awareness of time management.

EXPERIENCE

THE NATIONAL SMART CAR COMPETITION FOR COLLEGE STUDENTS

Cycling Rally Group

2020.12-2021.5

- Design a motorbike that can carry weight and pull objects
- The use of software such as AD, Python and specialist modules to design sensors, electronic components
- Use STM32 to test Motorbike systems including tuning, balancing and touring

ENGINEERING DEPARTMENT INTERN

Eaton Power Equipment Corporation

2023.6-2023.10

- Modeling and processing 3D database
- Programming design engineer output template
- Analysing statistical BOM and power system
- Learn about Eaton instruments and products
- Learn about IEC standard and circuit breaks

the Project of "Super-Resolution Image"

- Single Image Super-Resolution: base on CNN to learn about image maps, like ResNet Model

the Project of "mmWave radar base sensors"

- Design a mmWave radar system to detect vehicles
- Use Kalman filtering and YOLO v8 to analyse images

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EDUCATION

BACHELOR OF COMMUNICATION ENGINEERING 2019-2023

NANJING UNIVERSITY OF SCIENCE AND TECHNOLOGY ZIJIN COLLEGE

GPA:3.4/4

Major:

Digital Logic Circuit

High-frequency Electronic Circuits

Signal Analysis and Processing

MASTER OF ENGINEERING AND SCIENCE

(ELECTRICAL ENGINEERING)

2024-2025

THE UNIVERSITY OF QUEENSLAND

SKILLS

- Python
- C language
- JAVA. Oracle
- CAD. Inventor
- Deep Learning
- STM32
- Critical thinking
- Strong Communication