



EDUCATION

Huazhong University of Science and Technology*Sep 2016 - Jun 2020**Bachelor Degree, Electrical Engineering and Automation, School of Electrical and Electronic Engineering**Wuhan*

- GPA: 3.9 / 4.0
- IELTS 7.5 / CEFR Level: C1
- Relevant Coursework: Electric Driving Control System 96, Design of Electromagnetic Device 98, Principles of Microcontroller and Applications 95, Digital Electronics 97, Analog Electronic Technology 97, Power Electronics Equipment and System 94, Probability Theory and Mathematical Statistics 96

SKILLS LIST

- Modeling and Simulation: Multisim (Proficient), Simulink (Skilled), ANSYS (Basic), Matlab (Basic), Lingo (Basic)
- Programming: Python, C & C# (Basic)
- Deep Learning Framework: MXNet, Tensorflow (Basic)
- Development of website and App (Experienced)
- Microcontrollers: Arduino / C51 (Experienced)
- Writing: LaTeX (Basic)
- Robot Operating System (Basic)

COMPETITION EXPERIENCE

"Challenge Cup" National Undergraduate Extra-Curricular Academic Science and Technology Works*Mar 2019 - Jun 2019*

- First Prize

"Chinese Society for Electrical Engineering Cup" Electrical Mathematics Modeling Competition*May 2019*

- Third-Grade Award

Mathematics Modeling Invitational for Students in Central China*Apr 2019*

- Third-Grade Award

RESEARCH EXPERIENCE

Online Monitor Device for Insulation of Distribution Cable*May 2019 - Present*

- We successfully accomplished the detection of the leakage current in μA -level in the context of A-level working current.
- One patent for invention accepted, "A Method of the Insulation Remaining Life of Distribution Cable".
- We are now working on more accurate device and designing the neural network to predict the state of insulation.

Object classification and grab point identification*Sep 2018 - Present*

- Robotic arm control based on Ros (Robot Operation System).
- Design the neural networks that can detect objects and identify the grab points.

Minesweeper Solver Using Deep Reinforcement Learning*Jul 2019 - Present*

- Supervisor: Prof. Victor On Kwok LI, IEEE Fellow, The University of Hong Kong.
- Design an AI that can solve the game Minesweeper and scale to different board size.

"We Have Coffee" Online Question System*Aug 2018 - Sep 2018*

- I designed the features, interfaces and database of this website.
- Features include login, sign up, answer questions, mark questions and examination.
- The project is based on .NET and C#.

Drone for item searching

Sep 2017 - Sep 2018

- Design the control system of the camera. We use the posture of VR glasses to control the head of camera so that the camera can follow user's movement.
- Wireless video transmission based on 5.8 GHz band.

HONORS & AWARDS

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|---|-----------------------|
| • Outstanding Individual in University Students Innovation and Entrepreneurship Projocet | 2018/2019 |
| • "Outstanding Student Cadres" of Huazhong University of Science and Technology | 2017-2018 |
| • "Outstanding Cadres of Communist Youth League" of Huazhong University of Science and Technology | 2017-2018 / 2018-2019 |
| • Grant of Phoenix Contact | 2019 |
| • Siyuan Scholarship | 2018 |
| • Self-improvement Scholarship (School of Electrical and Electronic Engineering) | 2017 |

LEADERSHIP EXPERIENCE

The Organization Department of the Committee of Huazhong University of Science and Technology

Mar 2019 - Present

Assistant

- Daily office works.
- Design the questionnaires for Party School Work investigation.
- Management of the "Dang Qi Lin Hang" reading room.

School of Electrical and Electronic Engineering

Sep 2017 - Present

Class Monitor of Class 1601

- Make progress in improving the class management.
- Win awards in various activities.

School of Electrical and Electronic Engineering

Sep 2018 - Present

Leader - Publicity Group of Party Building Office

- In charge of the Wechat subscription.
- Manage the publicity work.

School of Electrical and Electronic Engineering

Sep 2017 - Present

Leader - Assistant Team of Experiment Teaching Center

- Training the assistants.
- Daily management work.

The People's Government of Xiyang County, Yongan City, Fujian Province

Jul 2018 - Aug 2018

Assistant - Government Office

- Use the Office Automation System.
- Supported the commissary in charge of organization.

Student Union

Sep 2016 - Sep 2017

Group Leader - Outreach Department

- Contact with companies.
- Make plans for activities.
- Draft contracts.

MISCELLANEOUS

- **Skills:** Word (Proficient), Excel (Skilled), PowerPoint (Skilled)
- **Certifications:** National Computer Rank Examination, Band 4 (Network Engineer)
- **Languages:** English (Fluent), Chinese (Native), Cantonese(Fluent)