Zeying GONG

AI MPhil in HKUST(GZ)

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Education Experience

Sun Yat-Sen University 2017.09 - 2021.06

Electric Information Science and Technology

1. The 3rd Prize in the Electronic Design Competition in Guangdong Province.
2. A GPA of 3.8 out of 4, with an Academic Progress Award.

Hong Kong University of Science and Technology (Guangzhou) 2022.10 - Till Now

Artificial Intelligence

1. The Excellence Award in Provincial Precipitation 24-hour Nowcasting Challenge
2. Campus squash champion
3. A GPA of 4 out of 4

Work Experience

SenZhongAiShu Education Technology Co., Ltd. 2020.08 - 2021.08

Course Development Specialist (Part-Time)

- Tested 12 experimental courses for entry into Alibaba Cloud Machine Learning PAI platform.

Huawei Technologies Co., Ltd. 2021.08 - 2022.10

5G Network Planning and Optimization Engineer (Full-Time)

During my one-year work experience, I have been awarded

1. "Outstanding Individual Award of Jiangxi Office" in 2022 H1.
2. "Huawei Star of Tomorrow" in 2021.
3. The total 2 performance evaluations are both Level A.

Jacobi.ai 2023.05 - Till Now

Algorithm Engineer (Intern)

I have achieved the following tasks based on Python:

1. Developed a new image compression algorithm based on stacked Convolutional Autoencoders.
2. Implemented target detection application based on YOLOv8 algorithm.

Publications

1. **Z Gong**, B Rao. "Cluster Unmanned Aerial Vehicle Electromagnetic Calculations and Applications" 2021 CIE International Conference on Radar (Radar), 1196-1199
2. **Z Gong**, Y Tang, J Liang. "PatchMixer: A Patch-Mixing Architecture for Long-Term Time Series Forecasting". arXiv preprint, 2023, URL: arxiv.org/abs/2310.00655 (Submitted to ICLR'24)
3. Y Tang, J Zhou, X Pan, **Z Gong**, J Liang. "PostRainBench: A comprehensive benchmark and a new model for precipitation forecasting". arXiv preprint, 2023, URL: arxiv.org/abs/2310.02676 (Submitted to ICLR'24)

Skills

The visual records for the following projects can be found on my personal website.

Software:

1. Python: Pytorch (Algorithm Development), Qt5 (MNIST GUI), Crawler (National Statistics Office)
2. HTML: Personal Website
3. Kotlin: App development with Registration/Login functions

Hardware:

1. Solidworks: 3D UAV modeling
2. Arduino: DIY Music Player
3. GPS: Signal spoofing with Hackrf One