Dongzi Jin

Education

2013.9-2017.6   Anhui University（211）

Communication Engineering   Rank：7/147 (5%)   Average score: 90.21

2017.9- 2020.6   South China University of Technology（985）   Average score: 83.33

Communication and Information System

RESEARCH EXPERIENCE

2014.6-2015.5 Responsible for the national innovation and entrepreneurship training program for college students   Program acceptance results: excellent

Introduction：A scheme of intelligent shower system based on STM32 is proposed, which realizes the purpose of intelligent control and water resource saving.

2016.11.10   Win the second prize of The 11th"TI"Electronic Design Competition for College Students of Anhui Provence

Introduction：   The internal temperature and humidity of a small box was controlled within a certain range

2017.9-2018.9   SDN（Software Defined Network）

Introduction：I focused on the scalability of SDN and designed a routing scheme based on multi-controller cooperation.

2018.9-2020.6   Intrusion Detection System based on machine learning

Introduction：Machine learning model is used to solve the real-time detection, data imbalance and concept drift in Network Intrusion Detection

2020.6-Now   AI enabled Wireless Communications

Introduction: focused on reinforcement learning and federated learning for optimization problems in wireless communications

Publication

1. **D. Jin**, Y. Lu, et. al., "SwiftIDS: Real-time intrusion detection system based on LightGBM and parallel intrusion detection mechanism." Computers & Security, vol. 97, 2020. (rank: CCF B, IF:4.438)

2. **D. Jin**, Y. Lu, et. al., "KC-IDS : Multi-layer Intrusion Detection System," 2020 International Conference on High Performance Big Data and Intelligent Systems (HPBD&IS), Shenzhen, China, 2020.

3. **D. Jin**, Y. Xiao, Y. Li, G. Shi and D. Niyato, "Optimizing Intelligent Reflecting Surface-Base Station Association for Mobile Networks," IEEE International Conference on Communications (ICC), 2021.

Self Assessment

1. Enthusiastic, Diligent and Concentrative

2. Enjoy exercise, such as jogging and table tennis

SKILLS

Matlab, C, Python，Linux

Numpy, Pandas, Pytorch

CET4(605), CET6(564), IELTS(7, expired)