

Miss WANG JIAYING

Tel: 0086-13369699317

Email: wangjiaying0911@outlook.com

Address: Xinhe Garden, 1226 Dongquan Road, China 830002

Education

- 09/2020-12/2021 Master of Science in Cyber Security, Distinction
King's College London, London, UK
- 09/2016-07/2020 Bachelor's degree in Network Engineering, GPA: 3.57 /4.0
The University of Electronic Science and Technology of China,
Chengdu, China

Research Experience

- 01/2018-02/2018 *Robotics and Artificial Intelligence Winter School*
Major Participant: Identify application scenario realized by the manipulator and test the code to help the team win the Best Application Award (The process involves deep learning, shape and feature recognition, and image sequence processing)
- 11/2018-02/2019 *Differentially Private Matrix Completion via Alternating Minimization*
Major Participant: Responsible for revising part of the algorithm and result analysis
- 2018 *Experiments on the Divide and Conquer algorithm, Graph Theory, Search algorithm, Greedy Algorithm, Dynamic Programming algorithm, Maximum Flow algorithm*
Major Participant: Responsible for designing test cases for each algorithm, and implementing them, then explaining the process in detail in presentation and writing experimental reports
- 11/2019-03/2020 *Research on Image Classification Based on Convolutional Neural Network*
Principal: Responsible for reassembling a new training set from misclassified samples based on the CIFAR-10 dataset and optimizing the training of the trained VGG-19 model with a lower learning rate to improve classification accuracy
- 04/2021-05/2021 *Design malware NeverSick and the mitigation strategy*
Principal: Design the infection way, malicious activities after infection, dissemination methods, the C&C(command and control) infrastructure, monetization, and mitigation plan of NeverSick
- 04/2021 *Comparison Between Five Cryptocurrencies Systems Based on Daily Payments*
Major Participant: Compare crypto-currency Tether with others from five aspects: Security, Anonymity, Ease of Use, Commercial Availability, Reliability
- 02/2021-09/2021 *Research on Automatic Detection and Block of Cyberbullying through Browser Extensions*
Principal: Responsible for using the RNN-CNN model trained with datasets from Kaggle to detect malicious comments on the web version of the social network platform and replacing them with harmless kaomoji through the browser plug-in.

Miss WANG JIAYING

Tel: 0086-13369699317

Email: wangjiaying0911@outlook.com

Address: Xinhe Garden, 1226 Dongquan Road, China 830002

Work Experience

12/2021-03/2023

Company

Huawei Technology Co., Ltd.

Position

Engineer A

Responsibility

Data Communication Protocol development(cmdLine development, YANG modeling, EVPN&VxLAN) and testing.

Projects

12/2021-03/2022

Database and command-line development based on the YunShan OS

04/2022-06/2022

Development of EVPN MAC Duplication Suppression(according to RFC7432) Whitelist based on ACL

07/2022

Refactoring mega LUA functions and verification of YANG modeling

08/2022-10/2022

Development of EVPN supporting local CCC(Circuit Cross-Connect)

11/2022

Validation and verification of 1200GE interface supports L2EVPN and Writing Ruby automation test scripts

12/2022-01/2023

Validation and verification design for the display of packet loss statistics due to Sticky-MAC conflicts

02/2023-03/2023

Validation and verification design for the AC-Influenced DF Election Capability according to RFC8584

Programming Language&Software&System

2017

C/C++/MATLAB

2018-2019

Keil/Vivado/SolidWorks/ARM/STM32/FPGA/SQL/Linux

2020-2021

Python/Shell/C/Kali Linux

2022-2023

C/Lua/Python/Ruby/Linux/Huawei VRP

Language Ability

IELTS:

6.0

13/OCT/2018

Pre-sessional English and Academic Skills 2020 in King's College London:

8.0

11/SEP/2020

Selected Honors and Awards

12/2016

Gold Prize in School Chorus Competition

11/2017

Excellent Individuals in School-level Social Practice

12/2018

Merit Student Scholarship

01/2019

Excellent members of the School Art Troupe

02/2022

Pacesetter Honor in Software Development

Organized Activities

07/2017-08/2017

Small Hope Technology&Programming Summer Camp

08/2017-09/2017

Sichuan Robot Competition

03/2018-07/2018

Selection of ACM-ICPC School Team

2018

School-level Folk Music Concert

02/2021-03/2021

Capture The Flag race in Security Testing Course

Hobbies

Guzheng, Ukulele, Piano, Music, Food, Movie, Reading