# Chon Lam, LAO

MACAU S.A.R.
Master Student (Research in Network Systems)
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# EDUCATION

## Tsinghua University, Beijing
Master of Computer Science, 2018 - now (second year, purchasing)

## National Cheng Kung University, Taiwan
Bachelor of Computer Science & Information Engineering, 2015 - 2018

# SKILLS & INTEREST

Software-Defined Network - - - - - - - - - - - - - - - - - - - - P4, OpenFlow, Ryu
Distributed Training - - - - - - - - - - - - - - - - - - Pytorch, Tensorflow, BytePS
Network Engineering - - - - - - - - - - - - - - - - - - - - - - - - - - - -RDMA, DMA
Programming Language - - - Go, C, C++, Python, Java, NodeJS, Javascript

# EXPERIENCE

## Visiting Scholar,
University of Wisconsin–Madison (UWM);
2019 - Present

Working on the independent study of accelerating the distributed training process by P4 switch with Professor Aditya Akella. Focus on the hardware-software co-design with RDMA, in order to offloading computation into the network, speed up the training process and reduce network traffic.

## Research Assistant,
The University of Hong Kong (HKU);
2017 - 2017

Three months summer Internship in HKU, implementing the Machine Learning model (CNN) to improve the accuracy of variant calling software, doing experiments and benchmarking.

## Teaching Assistant,
Tsinghua University (THU);
National Cheng Kung University (NCKU);
2017 - 2019

Being the teaching assistant and lecturer of the course "Advanced Competitive Programming" in NCKU, familiar with variety of Data Structure and Algorithm.
Also as the teaching assistant of "Security Technologies in Cyberspace" in THU in the first year of Master program.

## Netowrk Administrator,
National Cheng Kung University (NCKU);
2016 - 2018

Part-time network administrator job in NCKU, applying the knowledge in CCNA to organize and manage the network environment and official website of the Department of MLSB.

## Project Executor,
Ministry of Science and Technology of Taiwan;
2017 - 2017

Received funding and held the undergraduate student research project in "Detecting DDoS Attack in Software-Defined Network through Convolutional Neural Network" in Taiwan.

# REWARDS & QUALIFICATIONS

## - Algorithm
- Top 6% in 2017 Taiwan Collegiate Programming Examination
- Bronze Prize of 2017 ACM-ICPC Asia Taiwan Regional Contest
- Silver Reward of 2014 Macao Olympiad in Informatics ( MOI )
- Second Prize of 2013 National Olympiad in Informatics ( NOI )
- Silver Reward of 2013 Macao Olympiad in Informatics ( MOI )
- Second Prize of 2012 National Olympiad in Informatics ( NOI )
- Silver Reward of 2012 Macao Olympiad in Informatics ( MOI )

## - Networking
- Gold Reward of 11 TH HK / MO Youth Network Skills Competition
- Silver Reward of 10 TH HK / MO Youth Network Skills Competition
- Cisco Certified Network Associate ( CCNA )

## - Scholarships
- Tsinghua University Scholarship ( 2018 )
- Macau Goverment Scholarship for Master Student ( 2018 - 2019 )
- Taiwan Goverment Scholarship for Oversea Student ( 2015 - 2018 )
- Macau Goverment Scholarship ( 2015 - 2018 )

# CONFERENCES & PUBLICATIONS

- C.L. Lao, K.-Y. Liow, and M.-H. Tsai "Detecting DDoS Attack in Software-Defined Network through Convoluational Neural"  22th Mobile Computing Conference, Kaosiung,  August 2017

# RELATED LINKS

Github - https://github.com/laochanlam
Lam's Tech Blog - http://blog.laochanlam.me/