



PROFILE

Currently, I'm doing research about the connected autonomous vehicle management for signal-free intersections over 5G networking, and one paper is going to be published in IEEE International Conference on Intelligent Transportation System (ITSC), 2020. My research goal is to bring the vehicular field and networking field together. During my master degree, my research focused on service chain deployment and SDN controller management. The controller paper is published in IEEE Journal on Selected Areas in Communications (JSAC), 2019, and another paper is published in IEEE/ACM International Symposium on Quality of Service (iwqos), 2018. The research helps me gain much knowledge of SDN and allows me to apply the knowledge to my current vehicular research.

CONTACT

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SKILLS

C/C++, C#, Python, Java, Android SDK
Parallel programming, stream computing
Openflow, Mininet/Ryu for SDN
SUMO for vehicular microsimulation
Embedded system: Arduino, R-Pi
Learnt about Verilog, implemented in
Altera DE-115

Michael I-Chih Wang

PhD Candidate in ECE of NYU/NCTU

EDUCATION

PhD Candidate in ECE,

Joint National Chiao Tung University/NYU Tandon

2018 – 2023 (expected)

NCTU- Computational Intelligence on Automation Lab

- Research: SDN/NFV deployment

NYU Tandon- High Speed Networking Lab

- Research: Connected Autonomous Vehicle Management using 5G technology

M.S. in ECE, National Chiao Tung University

2016 - 2018

GPA: 4.05/4.3, Research: "Improving Quality of Experience of Service-Chain Deployment for Multiple Users"

WORK EXPERIENCE

Logitech Inc. Guest Speaker

2020/04/14

I gave a talk about "how to give a great presentation".

Logitech Inc. Software Intern

2015/07–2016/01

I wrote a Java library for engineers to connect Logitech firmware with Android system. After that, I use R-pi to build an embedded system for color synchronization between devices.

PROJECTS, REWARDS & SCHOLARSHIP

| Rank | Competition |
|-----------------|---|
| 2 nd | 2021 IEEE ComSoc Student Competition Prizes |
| 1 st | 2021 NYCU SDG Student Poster Competition |
| | 2021 SDG Academic Dissertation Award - Ph.D. Dissertation Award |
| 2 nd | Logitech Hack Days 2017, AR Remote-Control Car Driving with Gaming Force-Feedback Wheel |
| 2 nd | Mobile Heroes 2016, SCMan: Service Chaining Management |
| 2 nd | Haitec Workshop 2016, Distance Measurement with Camera Binocular vision |
| 2 nd | MediaTek LinkIn Hackathon 2016, e-AR |
| 2 nd | Campus Cloud Innovative Application Competition 2014, uSecureVote |
| 1 st | International ICT Innovative Services Contest 2014, SigNo Saver |

| Scholarship |
|---|
| 2016–2021 International Training Program for Talents hosted by Ministry of Education (Taiwan) |
| 2016 Chinese Institute of Engineers: Excellent Engineering Student Scholarship |
| 2014 National Chao Tung University Wiki Partnership Fund |

| Publication |
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| "Roadrunner+: An Autonomous Intersection Management Cooperating with Connected Autonomous Vehicles and Pedestrians with Spillback Considered." ACM Transactions on Cyber-Physical Systems (TCPS) 6.1 (2021): 1-29. |
| "Roadrunner: Autonomous Intersection Management with Dynamic Lane Assignment," 2020 IEEE 23rd International Conference on Intelligent Transportation Systems (ITSC), 2020 |
| "Improving Quality of Experience of Service-Chain Deployment for Multiple Users", IEEE/ACM International Symposium on Quality of Service (iwqos), June 2018. |