CHIA-YING LIN

■ **Website:** https://zeroplusone.github.io/   ■ **E-mail:** chiayingl@imslab.csie.ncku.edu.tw

EDUCATION

Ph.D. of Computer Science and Information Engineering   **Sep. 2015 – present**
National Cheng Kung University, Tainan, Taiwan   **GPA: 4.3/4.3**

» I am a member in *Intelligent Mobile Service Laboratory* whose researches focus on mobile network design and analysis. My **research interests** include Internet of Things, Machine-Type Communication, Software-Defined Networking and Voice over LTE.

Bachelor of Computer Science and Information Engineering   **Sep. 2011 – Jun. 2015**
National Cheng Kung University, Tainan, Taiwan   **GPA: 3.93/4.0** (ranked 1st in class)

» **Relevant Courses:** Computer System and Network Administration, Software design, Data Base Management System, Design of Smart Sensing Cloud System and Application
» **Undergraduate Project:** *"Go Parking——Event Data-based Parking Spot Guidance Service"*

EXPERIENCE

Visiting Graduate Research in University of California, Los Angeles, LA, USA   **Mar. 2018 – Jan. 2019**
Network Research Lab (NRL)

» **Tasks:** radio resource management in 5G

Short Term Researcher in RWTH Aachen University, Aachen, Germany   **Jul. 2017 – Aug. 2017**
Communication and Distributed Systems (COMSYS)

» **Tasks:** evaluating synchronized neighbor discovery scheme

Summer Intern in YAHOO!, Taipei, Taiwan   **Jul. 2016 – Aug. 2016**
Web Search Production Engineering Team

» **Tasks:** developing real-time monitoring dashboard by using *Django*

Teaching Assistant in SDN/NFV Core Network Course   **Fall Semester 2015**
National Cheng Kung University, Tainan, Taiwan

Summer Intern in HTC, Taipei, Taiwan   **Jul. 2015 – Aug. 2015**
Mobile Application Software Department

» **Tasks:** developing automation test system by using *JUnit* and *Jenkins*
» **Award:** 1st place in VR competition

Lecturer in Competitive Programming Course   **Spring Semester 2015**
National Cheng Kung University, Tainan, Taiwan

SKILLS

■ **Language:** mandarin (fluent), Taiwanese (fluent), English (good; **TOEFL iBT** score: **80**)
■ **Technical skills: C, C++, Java**, Android APP development, SQL, Python, Linux (**Github**: *zeroplusone*)

AWARDS

2018   **WeTech Qualcomm Global Scholars**
          Google Code Jam to I/O for Women Top 150

2017   **Grace Hopper Celebration of Women in Computing (GHC) Scholarship**
          (accept rate: 657/4000=16.4%)

2015   **Garmin Scholarship**

2015   **Outstanding Engineering Student Award (**awarded from Chinese Institute of Engineers, Taiwan**)**

2011 – 2014   **Academic Excellence Award (top 5%** in class, awarded from National Cheng Kung University in 2011-2012, 2012-2013, 2013-2014 school year)

2014   The 22nd place, 2014 ACM-ICPC Asia Taichung regional

2013   The 23rd place, 2013 ACM-ICPC Asia Chiayi regional

PUBLICATIONS

- <u>C. Y. Lin</u>, Y. L. Lu, M. H. Tsai and H. L. Chang, "Utilization-based parking space suggestion in smart city," *2018 15th IEEE Annual Consumer Communications & Networking Conference (CCNC), Las Vegas, NV, 2018* (DOI: 10.1109/CCNC.2018.8319281)

- <u>C.-Y. Lin</u>, H.-W. Kao, M.-H. Tsai and H.-L. Chang, **Gateway-Assisted Two-Stage Radio Access for Machine Type Communication in LTE-Advanced Network**. *COMPUTER COMMUNICATIONS* (DOI: 10.1016/j.comcom.2016.12.017) (IF 2016: 3.338, Rank: 23/146=15.8%, Category: Computer Science, Information Systems)

- <u>C.-Y. Lin</u>, W.-P. Tsai, M.-H. Tsai and Y.-Z. Cai, **Adaptive Load-balancing Scheme Through Wireless SDN-based Association Control** *Proceeding of the 31th IEEE International Conference on Advanced Information Networking and Applications (AINA'17), Taipei, Taiwan*, March 2017 (Accept Rate: 29%)

- Y.-Z. Cai, <u>C.-Y. Lin</u> and M.-H. Tsai, Application-aware Realtime Monitoring with Data Visualization in OpenFlow-based Network *Proceeding of the 31th IEEE International Conference on Advanced Information Networking and Applications Workshops (WAINA'17), Taipei, Taiwan*, March 2017

- C.-F. Yang, Y.-H. Ju, C.-Y. Hsieh, <u>C.-Y. Lin</u>, M.-H. Tsai and H.-L. Chang, iParking - A Real-Time Parking Space Monitoring and Guiding System. *Vehicular Communications*, 9: 301-305, 2017 (DOI: 10.1016/j.vehcom.2017.04.001) (MOST 104-2815-C-006-029-E, 105-2221-E-006-186-) (SCI/EI) (IF 2016: 5.108, Rank: 2/34=5.9%, Category: Transportation Science & Technology)

- C.-H. Lai, H.-L. Chang, M.-H. Tsai and <u>C.-Y. Lin</u>, Reducing Costs of LIPA Handover through Bearer Reservation with Preemption. *IEEE Transactions on Vehicular Technology* (DOI: 10.1109/TVT.2016.2646519) (IF 2016: 4.066, Rank: 10/89=11.2%, Category: Telecommunications)

- H.-L. Chang, C.-G. Wang, M.-T. Wu, M.-H. Tsai and <u>C.-Y. Lin</u>, Gateway-assisted Retransmission for Lightweight and Reliable IoT Communications. *SENSORS*, 16(10):1560, 2016 (DOI: 10.3390/s16101560) (IF 2016: 2.677, Rank: 10/58=17.2%, Category: Instrument & Instrumentation)

- C.-F. Yang, Y.-H. Ju, C.-Y. Hsieh, <u>C.-Y. Lin</u>, M.-H. Tsai and H.-L. Chang, iParking -- Real-Time Parking Space Monitor and Guiding System with Cloud Service. *Lecture Notes in Computer Science (LNCS)*, 2016

- H.-L. Chang, S.-L. Lu, T.-H. Chuang, <u>C.-Y. Lin</u>, M.-H. Tsai and S.-I. Sou, Optimistic DRX for Machine-type Communications *Proceeding of 2016 IEEE International Conference on Communications (ICC'16), Kuala Lumpur*, May 2016 (Accept Rate: 39%)

- <u>C.-Y. Lin</u>, J.-T. Su, W.-P. Tsai, M.-H. Tsai Finding Nearby Available Roadside Parking Spot. *The 27th IPPR Conference on Computer Vision, Graphics, and Image Processing, Pingtung, 2014*