**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 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”*

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##### 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:** developingreal-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:** developingautomation test system by using *JUnit* and *Jenkins*
* **Award:** 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 place, 2014 ACM-ICPC Asia Taichung regional

**2013**  The place, 2013 ACM-ICPC Asia Chiayi regional

##### PUBLICATIONs

* C. Y. Lin, 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)
* C.-Y. Lin, 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)
* C.-Y. Lin, 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, C.-Y. Lin 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, C.-Y. Lin, 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 C.-Y. Lin, 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 C.-Y. Lin, [Gateway-assisted Retransmission for Lightweight and Reliable IoT Communications.](http://www.mdpi.com/1424-8220/16/10/1560) *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, C.-Y. Lin, 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, C.-Y. Lin, 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%)
* C.-Y. Lin, 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*