CHIA-YING LIN

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- **Linkedin:** chiayinglin
- **Github:** zeroplusone

EDUCATION

Ph.D. of Computer Science and Information Engineering   National Cheng Kung University   **Sep. 2015 - present**
- Conduct researches in Intelligent Mobile Service Laboratory about the Mobile Networks with SDN and IoT.
- Relevant Courses: Computer System and Network Administration (FreeBSD), Software design, Database Management System, Design of Smart Sensing Cloud System and Application. **GPA: 4.3** out of 4.3

Bachelor of Computer Science and Information Engineering National Cheng Kung University   **Sep. 2011-Jun. 2015**
- Developed a parking spot guidance service Android application and deployed a server to execute *OpenCV* image recognition for Undergraduate project
- Received Academic Excellence Award every school year and rank 1st in class. **GPA: 3.93** out of 4.0

EXPERIENCE

Teaching Assistant   **Android Application Development Course**   **Feb. 2019-Jun. 2019**
- Wrote tests on continuous integration platform to grade homework
- Assisted 100 students to complete their android application final projects

Visiting Graduate Research   **University of California, Los Angeles, U.S.A.**   **Mar. 2018-Jan. 2019**
- Implemented simulation of demand-driven cache allocation by using Icarus
- Studied resource management in heterogeneous mobile networks

Short Term Researcher   **RWTH Aachen University, Germany**   **Jul. 2017-Aug. 2017**
- Surveyed and evaluated synchronized neighbor discovery scheme by discrete-event simulation

Summer Intern   **YAHOO!, Taiwan**   **Jul. 2016-Aug. 2016**
- Designed real-time monitoring dashboard system for internal usage
- Used *Bootstrap* to implement responsive website based on *Django* framework

Teaching Assistant   **SDN/NFV Core Network Course**   **Sep. 2015-Jan. 2016**
- Lectured four hands-on courses about *Mininet*, *Ryu*, *OpenDaylight* and *OpenWrt*
- Held weekly office hours and graded assignments for 70 students

Summer Intern   **HTC, Taiwan**   **Jul. 2015-Aug. 2015**
- Wrote *JUnit* tests for multimedia features and used *Jenkins* for automated test pipeline
- Cooperated with other interns and won 1st place in VR proposal competition

Lecturer   **Competitive Programming Course**   **Feb. 2015-Jun. 2015**
- Lectured data structures, binary search, range query, trees, and etc. for 15 students
- Held ACMarathon and led winning teams to participate ACM-ICPC

SKILLS

- **Technical skills: C, C++, Java**, Android APP development, Git, SQL, Python, Linux shell script
- **Language:** Mandarin (native speaker), Taiwanese (native speaker), English (fluent)

AWARDS

- 2018 **Google Code Jam to I/O for Women Top 150**
- 2018 WeTech **Qualcomm** Global Scholars
- 2017 **Grace Hopper Celebration** of Women in Computing Scholarship (accept rate: 657/4000=**16.4%**)
- The 22nd, 23rd place in **ACM-ICPC** Asia 2014 Taichung and 2013 Chiayi regional, respectively

PUBLICATIONS   (4 JOURNALS, 5 CONFERENCES, ONLY FIRST AUTHOR LISTED)

- C.-Y. Lin, H.-L. Chang, M.-T. Wu, Y.-Z. Cai, Y.-T. Wang, L.-A. Chen, M.-H. Tsai and R.-S. Liu, **Reducing Signal Overload by Disconnection Tolerant Voice Service in Heterogeneous Networks** IEEE ACCESS, 7: 332-346, 2019 (SCI/EI) (IF 2016: 3.244, Rank: 27/146=18.5%, Category: Computer Science, Information Systems)
- 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*
- 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* (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%)