CHIA-YING LIN

■ **E-mail:** chiayingl1993@gmail.com

EDUCATION

Ph.D. of Computer Science and Information Engineering   National Cheng Kung University **Sep. 2015-Aug. 2019**

- Conduct research in Intelligent Mobile Service Laboratory about the Mobile Networks with SDN and IoT
- Thesis title: *Association Control in the 5G Network with Cloud Radio Access Network Architecture*
- Relevant Courses: Computer System and Network Administration, Software design, Database Management System
- 2019 Honorary member of The Phi Tau Phi Scholastic Honor Society, R.O.C.   **GPA: 4.3 out of 4.3**

Bachelor of Computer Science and Information Engineering National Cheng Kung University **Sep. 2011-Jun. 2015**

- Developed an image-recognition based parking spot guidance Android application by *OpenCV*
- Received Academic Excellence Award (top 5% in class) every school year and rank 1st in class.   **GPA: 3.93 out of 4.0**

EXPERIENCE

Server-Side Developer   LINE Taiwan   **Aug. 2019 - present**

- Implemented Storm pipeline to consume 30,000 articles per day by RSS feed from 2,000 content providers
- Developed RESTful API to serve contents automatically for LINE Today, LINE shopping, LINE Travel by Spring Boot microservices on Kubernetes integrating with Kafka, MySQL, Redis and Elasticsearch
- Reduced 90% exceptions by designing fault tolerance mechanism based on the analysis of past error logs

Teaching Assistant   Android Application Development Course   **Feb. 2019-Jun. 2019**

- Graded assignments by espresso tests on continuous integration platform for 140 students

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

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 80 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

SKILLS

- **Technical skills: Java, C++**, Android APP development, Git, SQL, Python, Linux shell script (**GitHub**: zeroplusone)
- **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, 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 31st IEEE International Conference on Advanced Information Networking and Applications (AINA'17), Taipei, Taiwan*, March 2017 (Accept Rate: 29%)